

ILLINOIS NATURAL HISTORY SURVEY

Kankakee River Fishes of the Braidwood Station
Aquatic Monitoring Area, July-August 1989

Center for Aquatic Ecology

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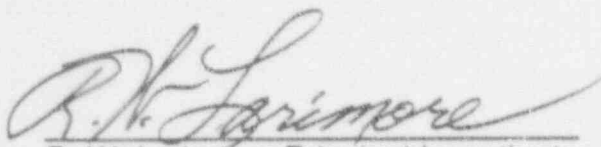
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ABSTRACT

Sixty fish species representing 14 families were collected from the Kankakee River and Horse Creek in the Braidwood Station Aquatic Monitoring Area in July/August 1989. The pallid chub, *Hybopsis amnis*, is now classified as endangered and the river redhorse, *Moxostoma carinatum*, is classified as threatened in Illinois. The pallid chub was not collected for the third consecutive year during August sampling. However, 96 individuals were collected, 71 from within the monitoring area, 16-18 May and 31 May-1 June 1989. In 1989, 11 river redhorse were collected from the designated stations; it has been present throughout this 12-year series of collections.

Total biomass of fishes was 251 kg, an increase over the 217 kg collected in 1988; total catch was 5,106, down from the 6,058 collected in 1988. Carp, golden redhorse, smallmouth bass, rock bass, and river redhorse accounted for 67.4% of the total biomass. Longear sunfish, smallmouth bass, bluntnose minnow, rock bass, and green sunfish numerically comprised 53.0% of the total catch.

Anomalies in the form of macroparasites, diseases, malformations, or injuries were found on 13.4% of total catch, a slight increase from 12.1% in 1988. *Neascus* was responsible for 70.1% of the occurrences in 1989.

Significant differences were found between stations in the 1989 catch for biomass and for abundance in the electrofishing and seine samples. Differences were also detected for water velocity and conductivity for biomass in both the electrofishing and seine catches; others included dissolved oxygen for electrofishing biomass and water depth for seine biomass.

A review of the data in this series by one-way ANOVA of the data gathered since 1977 showed differences between years and stations in combined method mean diversity, total biomass, total catch (abundance), and smallmouth bass abundance. A Student-Newman-Keuls (SNK) analysis depicted similar differences between year and station data over the duration of the 12-year series.

INTRODUCTION

The geology, hydrology, and water quality of the Kankakee River combine to form a high diversity of habitats and aquatic life, creating one of the finest rivers in Illinois (Smith 1971, Skelly & Sule 1983, Brigham *et al.* 1984). The river is a scenic, cultural, recreational, and industrial resource (Barker *et al.* 1967, Graham *et al.* 1984). The river in Illinois has remained relatively unaltered while still meeting the needs of the public, municipalities, and private interests.

Construction of the Braidwood Nuclear Generating Station and its associated riverside intake and discharge structures has provided the opportunity to gather data on the fishes of the Kankakee River. This study was initiated to determine the effects of construction and plant operation on the river. In 1988, Unit One of the generating station began commercial operation on 29 July and Unit Two on 17 October. Intake and discharge structures were operating during the 1989 sampling period (Table 1).

The Braidwood Station Aquatic Monitoring Area, near Custer Park, Will County, Illinois, consists of a 2.5-km reach of the Kankakee River and its tributary, Horse Creek (Fig. 1). The Illinois Natural History Survey has conducted fishery surveys in this area since 1972. This data set allows documentation of environmental changes, the resulting response of the fish community, and an estimation of the environmental quality of the river. The goal of this research is to gain a better understanding of the complex relationships of fishes to their dynamic lotic surroundings, as well as to determine the effects, if any, of the generating station.

MATERIALS AND METHODS

Electrofishing and seining were used to collect fishes in the monitoring area from 31 July through 10 August 1989. The methods and sampling locations were those used in previous years (Kwak 1987a) but are included here for ease of reference.

Each sampling location consists of two stations, designated by the location number and "R" or "L," indicating the right or left side of the river as one looks upstream (Fig. 1). The sampling locations are:

Location 1—approximately 1,000 m (3,280 ft) above the intake structure. This location provides data for an upstream section of the river that is not influenced by intake or discharge activities.

Location 2—Horse Creek, from the confluence of Horse Creek and the Kankakee River approximately 150 m (492 ft) upstream. This location represents a potential fish spawning site and may influence the river.

Location 3—the area of the intake structure.

Location 4—the area of the discharge canal. This location provides data for that region of the river that may be affected by thermal and chemical discharges of the cooling pond.

Location 5—approximately 300 m (984 ft) downstream of the discharge canal. This area represents a potential near-field recovery area from any impact associated with discharges from the cooling pond.

Location 6—approximately 1.6 km (1 mile) downstream of the discharge canal. This region is below the influence of the discharge canal and represents a potential far-field recovery area.

A boat-mounted, boom-type electrofisher, which employed a 230-V, 3000-W, 3-phase, AC generator as a power source, was used to sample adult and juvenile fishes. At locations 1, 5, and 6, each station was electrofished for 0.5 h, covering approximately 152 m (500 ft), for one unit of effort. Because of the proximity of locations 3 and 4, these areas were sampled for 15 min, each covering one-half of the unit distance. The entire width of location 2 was electrofished, from its mouth approximately 305 m (1,000 ft) upstream for a period of 1 h, representing two units of effort. The boat driver and two others captured stunned fish with 12.7-mm (0.5-in.) mesh dip nets. Each electrofishing station was shocked four times, with a 2-day repopulation period between each replicate. Electro-fishing was conducted such that the first "run" of each replicate was made in a downstream direction through the middle of the shocking zone. The second run was in an upstream direction, adjacent to the first run and as close to the bank as water depth would allow. The third run was made in a downstream direction outside of, but adjacent to, the two previous runs. This sequence was repeated until the directed length of time had elapsed. The unit area shocked was equivalent to 0.4 ha (1 acre).

Seine samples were taken at two sites in each sampling station twice during the 2-week sampling period, representing four replicates per station. A 7.65-m x 1.22-m (25-ft x 4-ft) nylon seine was used with a 1.22-m x 1.22-m x 1.22-m (4-ft x 4-ft x 4-ft) bag. The seine was constructed from King 4.76-mm (3/16-in.) square mesh. A shoreline distance of 15 m

1

(49 ft) was seined in a downstream direction; the first haul was taken downstream of the second. All fish collected by seine were identified to determine if any were an endangered or threatened species. Individuals of endangered or threatened species were processed in the field and released along with large fish. The remaining fish were preserved in formalin and returned to the laboratory for analysis.

All fish were identified, measured for length and weight, fin clipped and examined for parasites. Dissolved oxygen, water temperature, water velocity, pH, turbidity, and conductivity were measured at each collection (Appendices A & B). Discharges for the Kankakee River were obtained from the U.S. Geological Survey (Figs. 2 & 3).

Fulton's condition was calculated for each fish using:

$$K(TL) = \text{weight (in g)} \times 100,000 / \text{total length}^3 \text{ (in mm)}$$

Condition values for each fish collected in 1988 are listed in Appendix C. Appendix D contains a summary of fishes collected for this report series (1977-1989). Diversity indices (Shannon 1948) were computed for collections taken at each station for electrofishing and seine catches and were compared with those calculated in previous years.

Biomass and abundance of fishes collected at different locations were analyzed using analysis of variance (ANOVA). Comparisons were made on a catch-per-unit-effort basis using $\ln(x+1)$ transformations of weight and numbers. Results for 1988 were subjected to a one-way ANOVA with station as the main effect. Various environmental parameters were included as covariables in one-way ANOVAs. Comparisons of means were made with Duncan's Multiple Range Test. Results were considered significant at $P < 0.05$. One-way ANOVAs of biomass, abundance, and diversity were used to compare years and stations as independent variables from data collected over the entire study period. It should be noted that electrofishing and seine replicates are not true replicates but rather are temporal pseudoreplicates (Hurlbert 1984) because of the lack of true independence of these successive samples. Given the impossibility of obtaining true replicates of transient fishes, the difficulty in applying inferential statistics to these situations is acknowledged and the limitations recognized.

RESULTS AND DISCUSSION

1989 Review

Catch

In 1989, 60 fish species representing 14 families were collected from the monitoring area. A total of 79 fish species representing 17 families have been collected by Illinois Natural History Survey personnel from 1977 through 1989 (Table 2).

The pallid chub (*Hybopsis amnis*) is classified as an endangered species by Illinois and the river redhorse (*Moxostoma carinatum*) is classified as a threatened species. Sampling during 1989 failed to capture the pallid chub¹ for the third consecutive year. However from 16 through 18 May and 31 May-1 June 1989, 71 individuals were collected with a seine at stations 5R (50), 5L (10), 1R (8), and 1L (3). There were 25 additional individuals captured upstream of the monitoring area. This suggests that there are multiple spawning populations in the Kankakee River (EA Science & Technology 1989). Eleven river redhorse were taken in designated stations, an increase from 9 collected in 1988 (Table 3).

Redear sunfish (*Lepomis microlophus*), was collected for the first time in the monitoring area. Three individuals were captured at station 5L. This species is native to the southern third of Illinois but is now found throughout the state as a result of widespread stockings (Smith 1979).

Total biomass of fishes collected in 1989 (251 kg) (Table 4), the third largest catch in the 12-year series of collections, was up from 217 kg in 1988. Of the total biomass, carp (*Cyprinus carpio*) comprised 25.2%; golden redhorse (*Moxostoma erythrurum*), 15.7%; smallmouth bass (*Micropterus dolomieu*), 12.8%; rock bass (*Ambloplites rupestris*), 7.2%; and river redhorse, 6.5%. Changes in total biomass by dominant species are shown in Table 5. All of the 10 most dominant species remained the same as in 1988, with changes occurring in the rank order.

¹ For a review of the history of pallid chub collection in Illinois refer to Kwak (1987a).

The 5,106 fish collected in 1989 was a decrease from the 6,058 collected in 1988. Longear sunfish (*Lepomis megalotis*) dominated abundance, comprising 19.4%; smallmouth bass 12.2%; bluntnose minnow (*Pimephales notatus*), 15.8%; rock bass, 5.5%; and green sunfish (*Lepomis cyanellus*), 5.4% (Table 4). Longear sunfish was the most abundant species for the first time in the series.

Four species are among the top 10 dominant fishes in biomass and abundance for both 1988 and 1989—the golden redhorse, smallmouth bass, rock bass, and longear sunfish (Tables 5 & 6). The percent total biomass values of these five species combined were similar for 1988 and 1989, 48 and 41% of the total biomass, respectively. The total combined abundance values were also similar for 1988 and 1989, with these four species comprising 37 and 42% of the total abundance, respectively.

Total biomass collected by electrofishing during 1989 was dominated by carp, 25.6%; golden redhorse, 16.0%; smallmouth bass, 12.9%; rock bass, 7.2%; and river redhorse, 6.6%. These values are similar to those in 1988, with three of the five most dominant remaining with some changes in rank order. River redhorse was one of the five most dominant for the first time in the series (Tables 7 & 8).

Total abundance for electrofishing samples during 1989 (Tables 9 & 10) was dominated by longear sunfish, 23.6%; smallmouth bass, 16.6%; rock bass, 7.3%; golden redhorse 7.2%; and green sunfish, 6.2%. Many of these values differ from those in 1988, including a substantial increase in percent abundance for longear sunfish; rock bass, golden redhorse, and green sunfish replaced gizzard shad (*Dorosoma cepedianum*), striped shiner (*Notropis chrysocephalus*), and bluntnose minnow.

Smallmouth bass (20-80 mm) comprise only 2.5% of the total smallmouth bass catch (by number), suggesting a very poor spawn in 1989 (Fig. 4). The high mean discharge during June (Fig. 3) is the most likely reason and is consistent with Kwak's (1987b) observation that smallmouth bass recruitment in the Kankakee River is negatively correlated with mean discharge during June. Age-I+ smallmouth bass (80-140 mm) dominated the length-frequency distribution. The strength of this year class is due to the highly successful spawn and relative strength of the 1988 young-of-the-year (Peterson 1989). Total length at age for smallmouth bass was developed from scale analysis during 1989 (Table 11). Mean total length of age-III+ smallmouth bass, 264.2 mm, from the Kankakee River appears to

be similar to those from other Midwestern streams (Table 12), but is slightly lower than the 269.24 mm reported by the Illinois Department of Conservation. Their mean for small-mouth bass reflects statewide growth relationships, which include southern and impoundment stocks.

Length-frequency distribution for gizzard shad (Fig. 5) showed domination by age-I+ fish (160-240 mm). The strength of this year class is likely due to the survival of the strong 1988 young-of-the-year class (Peterson 1989).

Golden redhorse (Fig. 6) depict strong year class differentiation and representation. Age-I+ fish (100-160 mm) represented 68.4% of the golden redhorse captured in 1989, suggesting a highly successful spawn in 1988. However, the relatively low number of young-of-the-year captured in 1988 (16.0% of the golden redhorse catch) does not support this finding. Similar findings in 1988 suggest that this could be an artifact of sampling bias.

The length-frequency distributions for longear sunfish (Fig. 7) showed no clear-cut age classes. This obfuscation may be attributed to the sexual dimorphism in size at maturity and, in turn, growth rates (Scott & Crossman 1973).

The rock bass length-frequency distributions (Fig. 8) were dominated by age-I+ fish (80-100 mm). Age-IV+ fish (180-240 mm) were the second largest class, comprising 27% of the rock bass catch.

Community Characteristics

DIVERSITY. Mean diversity for all stations during 1989 by each collection method and combined methods is given in Table 13. Seining diversity for 1989 increased at 6 of 11 stations compared with values in 1988. Electrofishing diversity for 1989 showed a similar trend, increasing at 7 of 11 stations compared with 1988 values. The combined mean diversity increased at 6 of 11 stations, reversing the downward trend of the past 4 years.

ANOMALIES. In 1989, 13.4% of the total catch of fishes in the monitoring area were affected by some external anomaly (Table 14), which is similar to that found in 1988 (12.1%). *Neascus* infections were the most common, comprising 70.1% of all anomalies

Fish collected at station 2, Horse Creek, showed the highest incidence rate of *Neascus* (15.6%). Stations on the left bank of the Kankakee River generally had higher *Neascus* infection rates than those on the right. Data from 1986 showed that *Neascus* incidence was highest at all right bank stations. Kwak (1987a) felt that Horse Creek may be a source of *Neascus* for the river and that the right shoreline provided more suitable habitat for *Neascus* hosts. The data from 1987 through 1989 do not support the latter portion of his conclusion. All other anomaly (leech, *Lernaea*, fungus, malformation, *ich*, *Argulus*, and injuries) incidence rates were $<2\%$, and in most cases $<1\%$, of the total catch.

Spatial Characteristics

One-way ANOVA of electrofishing abundance ($\ln[x]$) showed highly significant differences between stations for 1989 (Table 15). Duncan's multiple range test (Table 16) revealed that mean abundance at stations 5L (5.0990), 4R (4.825), 3L (4.750), 4L (4.738), 1L (4.630), and 5R (4.599) were not significantly different but were greater than 6L (4.5176), 3R (4.498), 1R (4.316), and 2 (3.916); the mean abundance in the latter group were not significantly different. Station 6R (3.426) was less than and significantly different from all other stations.

One-way ANOVA of electrofishing biomass ($\ln[x]$) revealed significant differences between stations in 1989 (Table 17); other differences included water velocity, dissolved oxygen, and, conductivity. Differences in mean biomass between stations are only marginally distinct (Table 18). Stations 5L (9.290), 4R (9.074), 6L (9.057), 3R (9.029), and 3L (8.804) were not significantly different but were greater than stations 1L (8.623), 5R (8.442), 2 (8.421), and 1R (8.219); the mean biomass in the latter group were not significantly different. Station 4R (7.851) was greater than but not significantly different from 6R (7.528), which differed significantly from all other stations.

One-way ANOVA of seine abundance ($\ln[x]$) showed significant differences between stations (Table 19). Duncan's multiple comparison of means demonstrates the relative differences among stations. Station 5L (4.560) was greater than and differed significantly from all other stations (Table 20). Stations 4R (3.486), 4L (3.248), 6R (2.981), 3L (2.778), 5R (2.772), 1L (2.763), and 6L (2.752) were not significantly different but greater than stations 3R (2.269), 2 (2.083), and 1R (2.006); the mean abundance in the latter group did not differ significantly.

One-way ANOVAs of seine biomass ($\ln[x]$) revealed significant differences between stations (Table 21). There were other differences, similar to electrofishing biomass, in water velocity, depth, and conductivity. Differences in mean biomass showed that stations 5L (5.208), 5R (4.740), and 1L (4.501) are not significantly different but greater than stations 6L (3.916), 4R (3.912), 3L (3.814), 4L (3.310), 1R (3.127), 3R (3.048), and 6R (2.746); the mean biomass within the latter group were not significantly different (Table 22).

1989 is the first year that fish collections were made during normal operation (pumping when needed) of the intake and discharge structures along the river. Statistically no inferences can be made as to the effects of the operation of these structures on the downstream fish community. However, the differences between stations for electrofishing and seine abundance and biomass appear to be similar to the results reported for previous years (Dickson 1988, Peterson 1989), suggesting that there were no significant effects of the intake and discharge activities on the downstream fish community during 1989.

Series Review

This is the twelfth year of sampling at the Braidwood Station Aquatic Monitoring Area. To identify possible trends and assess faunal relationships from temporal and spatial standpoints a review of the data is necessary.

Table 23 gives the total catch and total biomass figures for August samples from 1977 through 1989; fluctuations occur from year to year, which are to be expected. Table 24 depicts the relative percentage of the total catch (abundance) of the dominant species from 1978 to 1989. Smallmouth bass and bluntnose minnow appear in all but 2 years. Their combined abundance comprises 20.9% of the total catch collected during the 12 years of the study. Table 25 provides relative biomass of the dominant species collected from 1977 through 1989. Smallmouth bass and golden redhorse are among the five dominant species in all years and account for 29.1% of the total fish biomass collected during the 12 years. Smallmouth bass are a major component of the fish community in the monitoring area.

Condition

Fulton's condition factor, $K(TL)$ (Ricker 1975), is a useful index of the well being of fishes and is suitable for comparing different individuals of the same species. It can be applied to indicate differences due to sex, season, or location. Changes in condition (temporally or spatially) can indicate that an environmental factor or combination of factors has altered the growth characteristics of an individual or population. Mean condition factors for fish species collected in 1989 are given in Table 26. Mean condition factors and their 95% confidence intervals for smallmouth bass (Table 27), golden redhorse (Table 28), rock bass (Table 29), largemouth bass (Table 30), and spotfin shiner (Table 31) indicate that these species (some with differing functional guilds) have maintained relatively stable conditions over the 12-year study. All yearly confidence intervals overlap, indicating no yearly differences in condition.

Condition factor information generated from the literature is provided in Tables 32-36 to compare growth characteristics of fish species from the Kankakee River, other watersheds in Illinois, and other Midwestern streams. The condition of rock bass from the Kankakee has been somewhat lower than other Midwestern drainages but falls within the range for northeastern Illinois streams (Table 33). Minnesota condition assessment standards depict the condition of rock bass in the Kankakee as poor to average. Smallmouth bass condition throughout this study appears to be similar to the literature. Data on golden redhorse condition depict a similar situation, although their mean $K(TL)$ in the Kankakee is marginally lower than that of other collections (Table 35).

Diversity

A one-way ANOVA, by year without replication, of the mean diversity (combined methods) from 1979-1989 showed highly significant differences (Table 37). A Student-Newman-Keuls (SNK) *a posteriori* test (Sokal & Rolf 1969) was used to discern differences between yearly means. The mean diversity of 1981 (3.590) still remained the highest of the series (Table 38), with 1988 (2.362) as the lowest. Dickson (1988) observed that diversity appears to be decreasing in recent collections. However, 1989 reversed this trend, with the highest mean value (2.545) of the past 4 years.

A one-way ANOVA (Table 39), by station without replication, of the mean diversity (combined methods) from 1979-1989 revealed no differences between stations at the 0.05 level of significance.

Abundance

A one-way ANOVA, by year without replication, of the square root of total abundance (Table 40) indicated highly significant differences during the study. SNK analysis (Table 41) discerned yearly differences in mean abundance; 1985 (28.589) remained the highest followed by 1988 (22.837). Dickson (1988) suggested that low water levels were responsible for the high abundance in 1985. The relatively high abundance and extremely low flows in 1988 appear to support this suggestion.

A one-way ANOVA, by station without replication, of the square root of total abundance for the years 1978 to 1989 showed highly significant differences between stations (Table 42). SNK analysis (Table 43) revealed the significant differences among stations. Station 2 (25.392) had the greater mean abundance than all other stations. Mean abundance at 5R (22.003) and 5L (25.289) are greater than 3R (14.255), 6R (14.264), 3L (14.204), 4L (14.999), 4R (15.101), and 1R (16.394). These differences could be attributed to sampling regime and/or habitat differences.

Biomass

A one-way ANOVA, by year without replication, of the natural log of total biomass of fish captured (combined methods) from 1978 to 1989 indicated significant differences between years (Table 44). SNK analysis (Table 45) showed that the biomass in 1981 (10.369) was significantly greater than all other years. Mean biomass for all years, except 1979 (9.472) and 1987 (9.465), was greater than the low mean for 1978 (9.283).

A one-way ANOVA, by station without replication, of the natural log of total biomass of fish captured (combined methods) from 1978 to 1989 showed highly significant differences between stations (Table 46). Further analysis using SNK (Table 47) revealed highest mean biomass at stations 6L (10.455) and 1L (10.382). Stations 4R (9.142), 6R (9.321), 3R (9.398), 4L (9.420), and 3L (9.479) differed significantly from stations 1R (9.754), 5L (10.011), 2 (10.070), 1L (10.382), and 6L (10.455) but not from each other.

Smallmouth Bass

Smallmouth bass abundance has varied throughout the study (Table 48). The highest abundance was in 1988 (1,297) and the lowest in 1982 (100). A one-way ANOVA, by year without replication, of the square root of total abundance of smallmouth bass collected (combined methods) from 1978 to 1989 indicated significant differences between years (Table 49). SNK analysis of mean smallmouth bass abundance (Table 50) elucidated the yearly differences. Highest mean abundance (10.711) of smallmouth bass occurred in 1988 followed by 1985 (7.454) and 1989 (7.092), the lowest (2.719) in 1982. There were no statistical differences between the remaining years. The low water levels during sampling in 1985 and 1988 probably resulted in the high values for those years.

A one-way ANOVA, by station without replication, of the square root of total abundance of smallmouth bass collected (combined methods) from 1978 to 1989 revealed significant differences between years (Table 51). SNK analysis for mean abundance of smallmouth bass by station, 1978-1989, showed that stations 1L (7.817), 6L (7.760), and 2 (6.600) while not differing from each other, differed significantly from all other stations (Table 52). These differences may be attributed to habitat similarities for stations 6L and 1L (rocky shoals with moderate current and shoreline vegetation beds). The habitat at station 2, Horse Creek, is unlike that of 6L and 1L; however, its use as a nursery area could explain its similar abundance.

Concluding Remarks

The data generated during this series and its subsequent analysis are providing valuable insight into the characteristics of the fish community in the Kankakee River and Horse Creek. Although one would expect spatial and temporal variation in biomass, abundance, and diversity, some basic patterns are becoming evident. Some of the variation in community characteristics is due to an interplay of environmental and biological factors. However, it should be remembered that sampling procedures and gear efficiency must be evaluated when fish populations are assessed and conclusions postulated (Bayley & Austen 1987), as they too can contribute considerably to this variation.

TEMPORAL CONSIDERATIONS. Abundance was highest in 1985 and 1988, probably due to greater capture efficiency in low water as fish tend to congregate. The remaining

years will provide reasonable abundance figures for comparisons with other collections during plant operation. Biomass was highest in 1981; other years compare favorably among themselves and should provide representative biomass values for comparison with subsequent collections during plant operation. The removal of yearly data (outliers), which may reflect changes in capture efficiency and not true biological or environmental variation, will enhance the sensitivity of future comparisons and will more effectively detect impact-induced community changes.

SPATIAL CONSIDERATIONS. Stations in the monitoring area vary considerably. A wide cross section of river habitat is available to the fish community. Relationships that may provide the most valuable impact data are:

Stations 1L and 6L—These stations are very similar in habitat type (described previously). This similarity is reflected in biomass and abundance of all species, especially abundance of smallmouth bass. This relationship may be the most reliable far-field comparison of pre-operational and post-operational data, if impacts extend that distance.

Stations 5L and 5R—These stations have very similar habitats but are attractive to a different complex of fish species than stations 1L and 6L. Compositionally, 5L and 5R were similar in 1987. Furthermore, they show similar abundance values over the length of the study. These stations may be the most reliable near-field comparison of pre-operational and post-operational data. Diversity at these two stations and at 1L and 1R compare favorably. Although diversity is not the best indicator of environmental quality, it can provide supplemental information on possible impacts and should be examined.

Station 2—Horse Creek has continually maintained moderate biomass and high abundance throughout the series. Compositionally it was distinct from all other stations in 1987 and will probably remain so.

These strong relationships are especially important to the sampling approach and capture efficiency. These stations, particularly 1L, 6L, 5L, and 5R, may have reduced variability due to greater similarity in sampling procedure and efficiency and may reflect the most accurate and reliable changes if impact occurs (Dickson 1988).

SUMMARY

1. Sixty fish species representing 14 families were collected from the Kankakee River and Horse Creek in the Braidwood Station Aquatic Monitoring Area in July/August 1989. The redear sunfish (*Lepomis microlophus*) was collected for the first time in this series at station 5L.
2. Two fishes currently and previously collected in the monitoring area are now classified as threatened or endangered species in Illinois. The pallid chub, *Hybopsis amnis*, is classified as endangered; none were collected for the third consecutive year; however 96 were collected, 71 from within the monitoring area, during 16-18 May and 31 May-1 June 1989. The river redhorse, *Moxostoma carinatum*, is classified as threatened; in 1989, 11 were collected from designated stations.
3. Total fish biomass was 251 kg in 1989, up considerably from 217 kg in 1988. Total catch was 5,106 fish in 1989, down from 6,058 in 1988.
4. Carp, golden redhorse, smallmouth bass, rock bass, and river redhorse accounted for 67.4% of the total biomass in 1989.
5. Longear sunfish, smallmouth bass, bluntnose minnow, rock bass, and green sunfish numerically comprised 53.0% of the total catch in 1989.
6. Significant differences were found between stations in the 1989 catch for biomass and for abundance in the electrofishing and seine samples. Differences were also detected for water velocity and conductivity for biomass in both electrofishing and seine catches; others included dissolved oxygen for electrofishing biomass and water depth for seine biomass.
7. Anomalies in the form of macroparasites, diseases, malformations, or injuries were found on 13.4% of the total catch; *Neascus* was responsible for 70.1% of those occurrences.
8. Condition, K(TL), of smallmouth bass, golden redhorse, rock bass, largemouth bass, and spotfin shiner has remained relatively constant over the 12-year sampling period.
9. One-way ANOVAs revealed highly significant differences between years but no significant differences were detected between stations for mean diversity over the 12-year sampling period. Mean diversity for 1988 was the lowest in this series but was not significantly different than that in 1987, 1986, 1989, 1985, 1983, and 1984. Mean diversity for 1981 was higher than all other years.
10. One-way ANOVAs revealed highly significant differences between years and between stations for total abundance from 1978 to 1989. Mean abundance was greatest in 1985 and lowest in 1982. Stations 2 (Horse Creek), 5L, and 5R had higher mean abundances than the other stations.
11. One-way ANOVAs revealed highly significant differences between years and between stations for total biomass from 1978 to 1989. The highest mean biomass was in 1981.

12. One-way ANOVAs revealed highly significant differences between years and between stations for smallmouth bass abundance from 1978 to 1989. The highest abundance was in 1988 and the lowest mean abundance was in 1982. Stations 1L, 6L, and 2 had the highest mean abundance of all stations.

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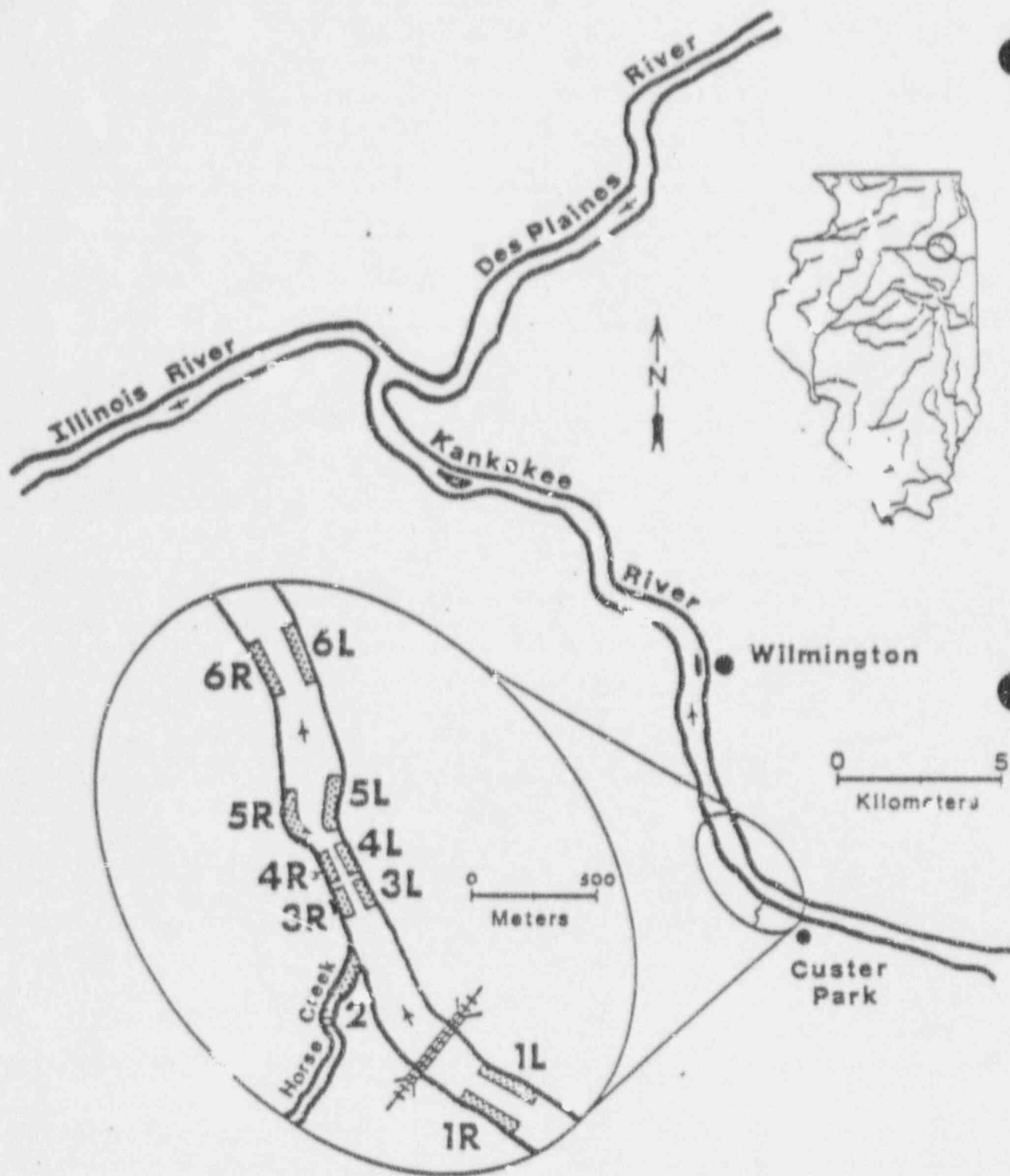


Fig. 1. Locations of sampling stations in the Braidwood Station Aquatic Monitoring Area.

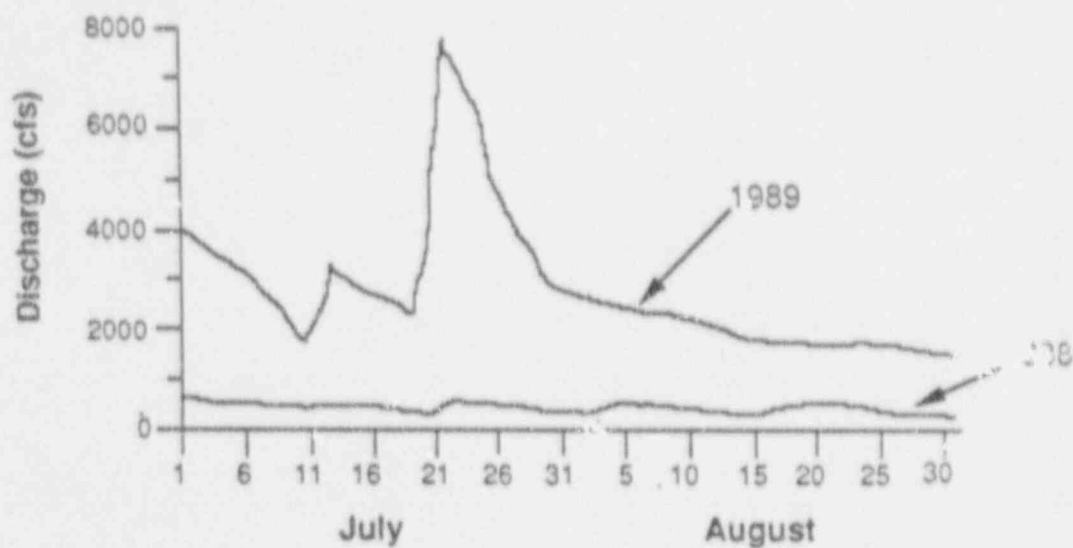


Fig. 2 Mean daily discharge (cfs) for the Kankakee River near Wilmington, Illinois, July/August 1988-1989.

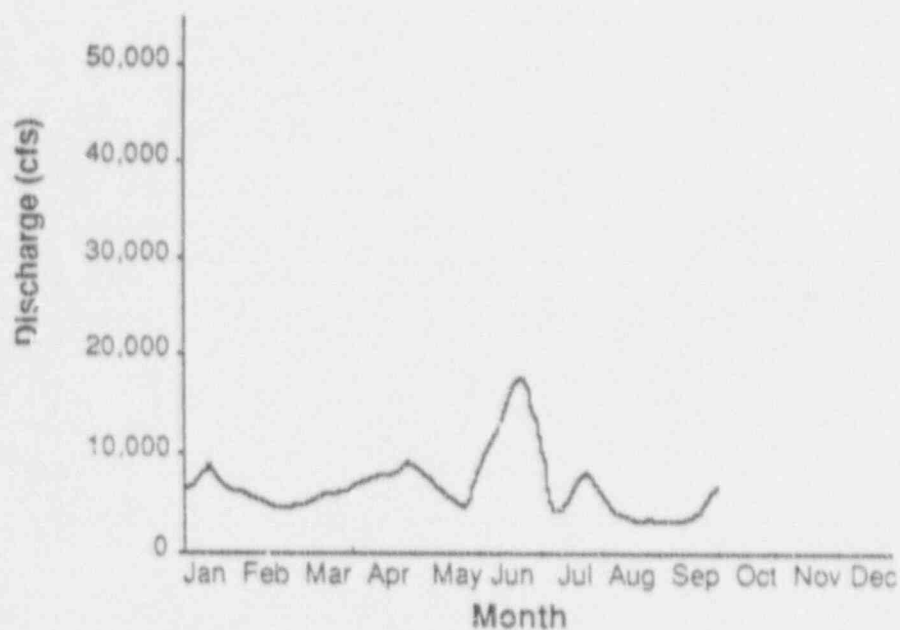


Fig. 3. Five-day mean discharge (cfs) for the Kankakee River near Wilmington, Illinois, 1989.

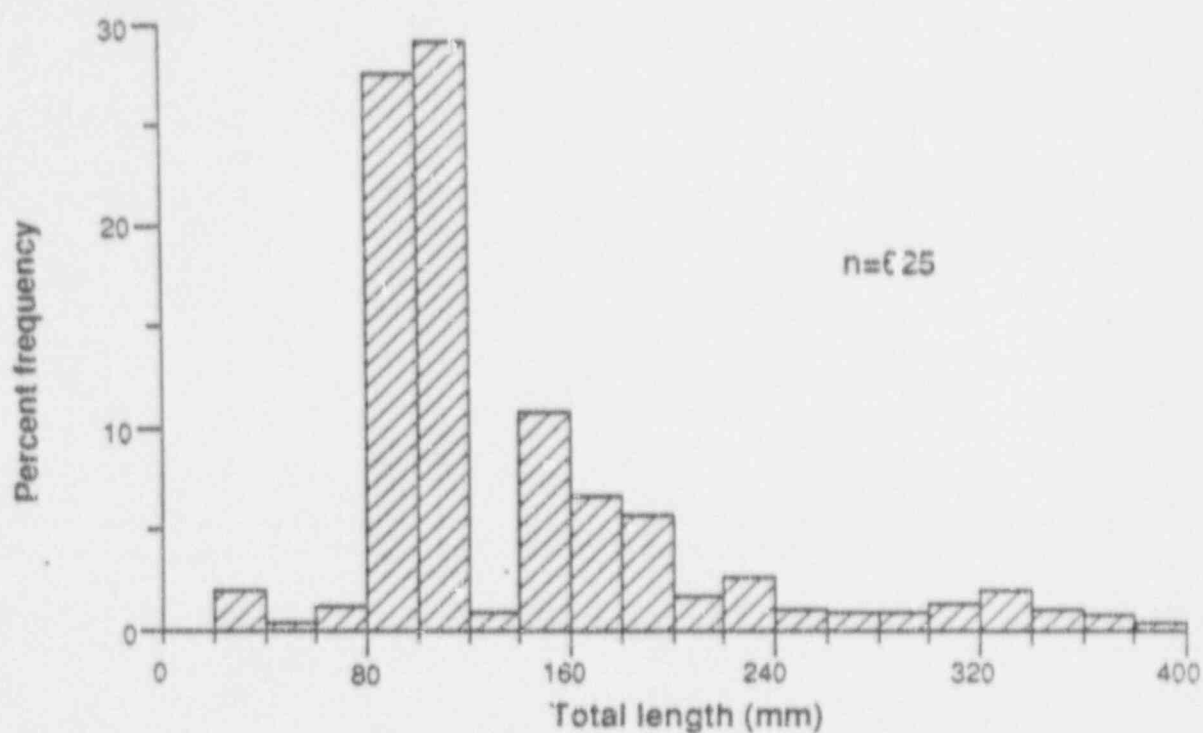


Fig. 4. Length-frequency distribution for smallmouth bass collected from the Kankakee River and Horse Creek, July/August 1989.

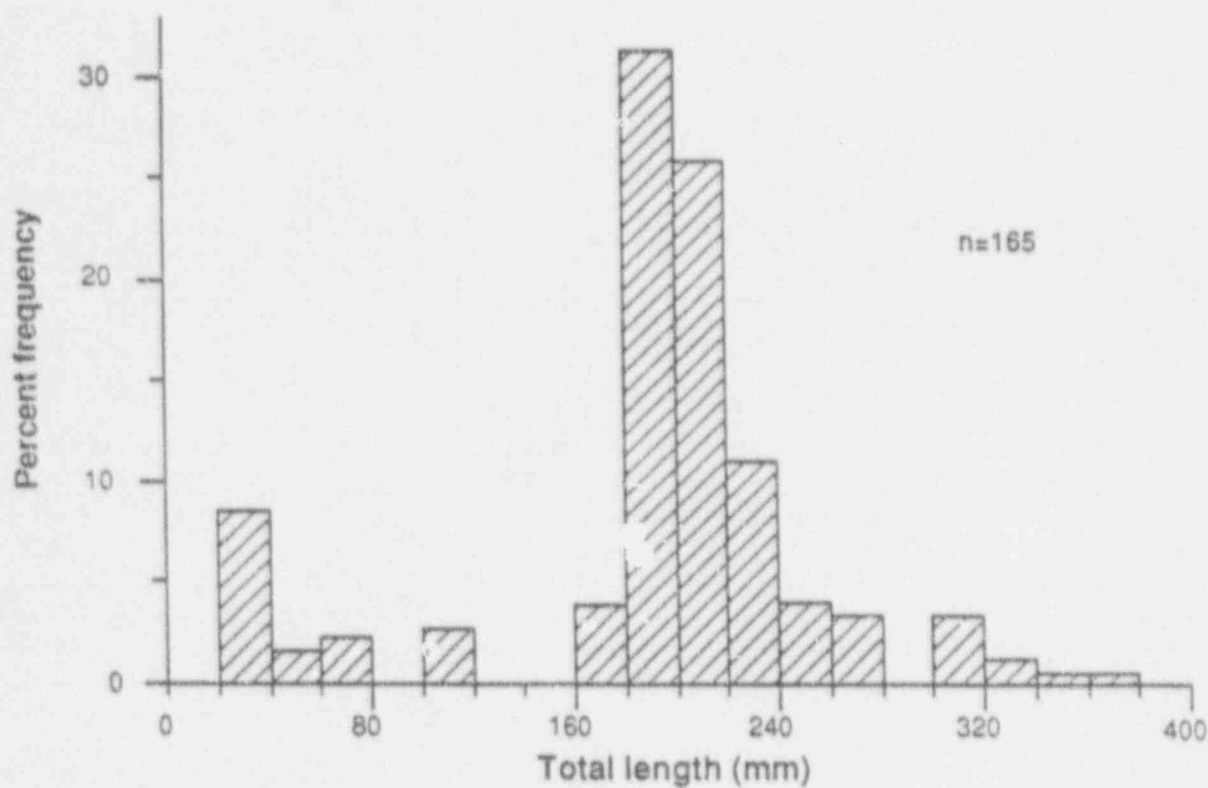


Fig. 5. Length-frequency distribution for gizzard shad collected from the Kankakee River and Horse Creek, July/August 1989.

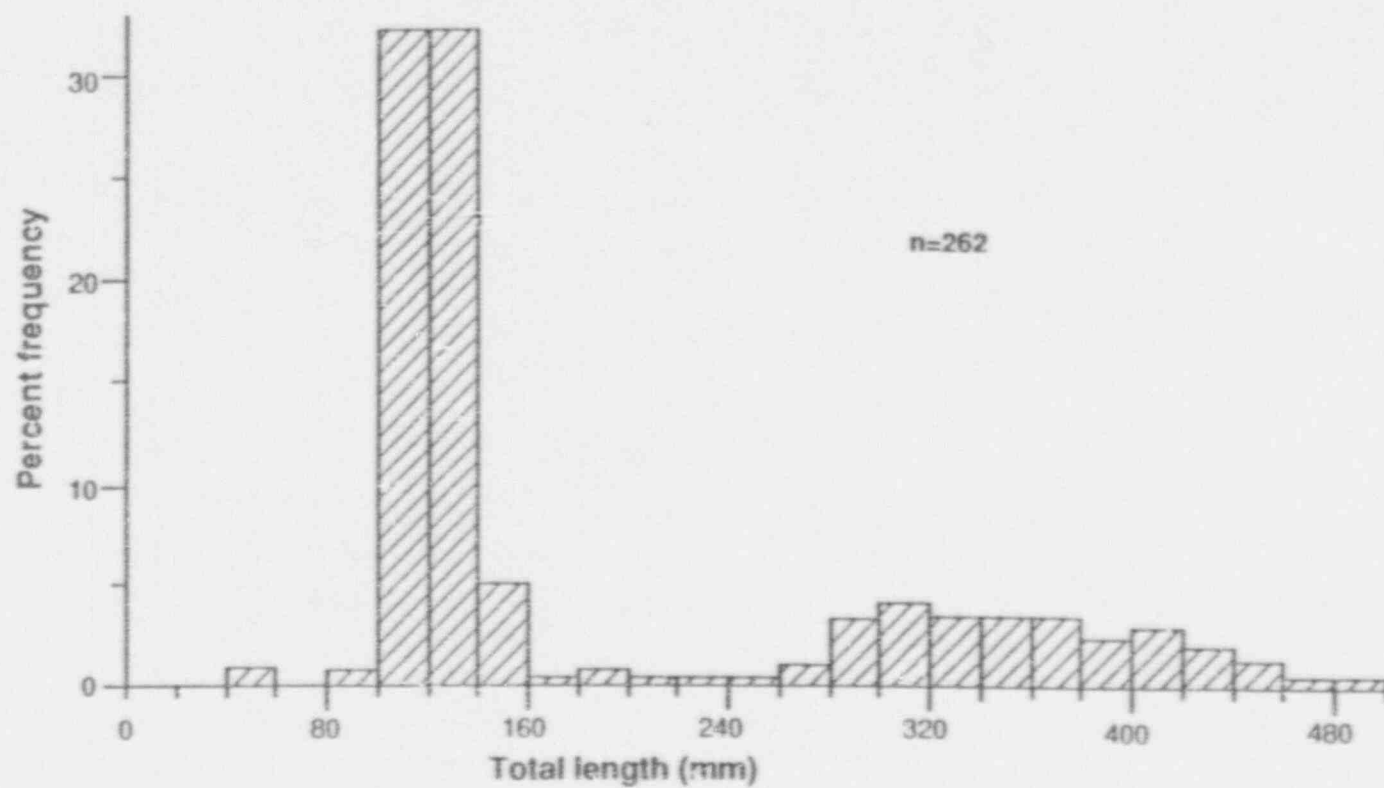


Fig. 6. Length-frequency distribution for golden redbreast collected from the Kankakee River and Horse Creek, July/August 1989.

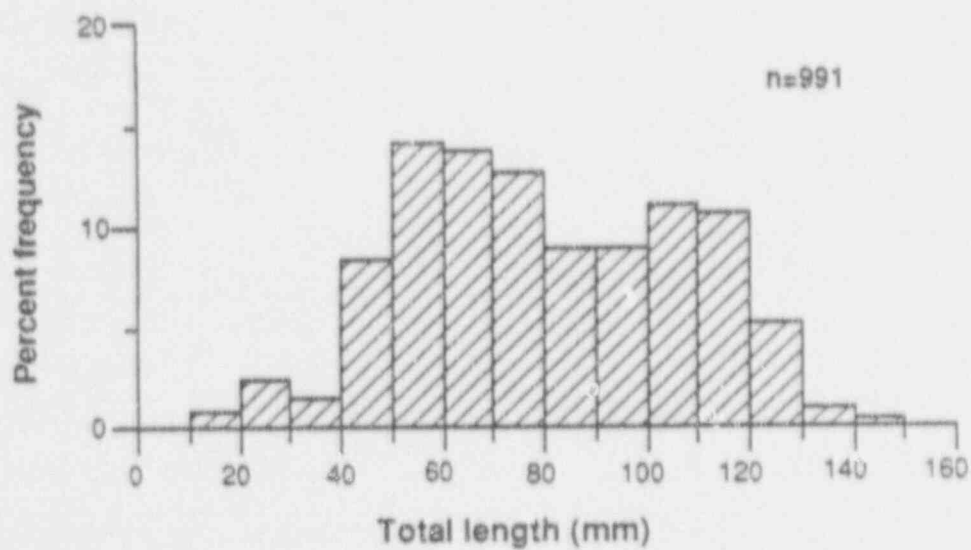


Fig. 7. Length-frequency distribution for longear sunfish collected from the Kankakee River and Horse Creek, July/ August 1989.

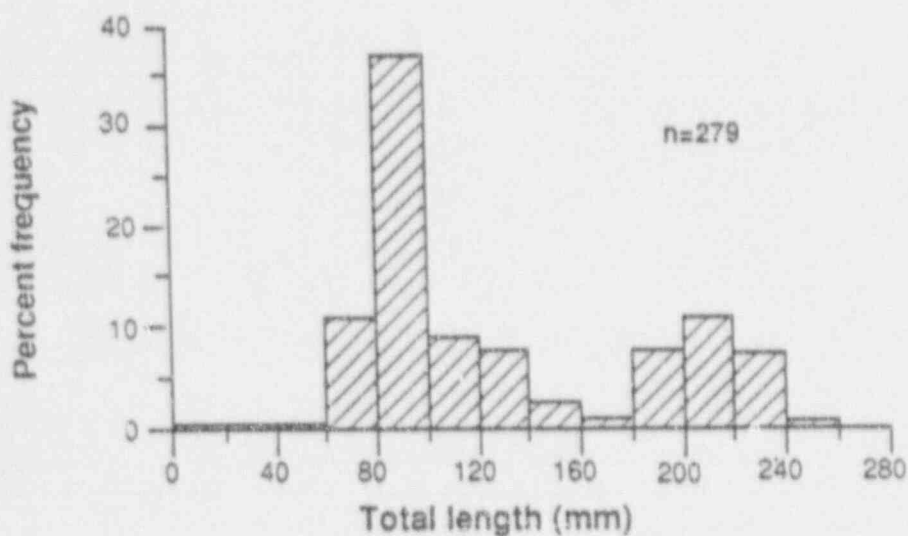


Fig. 8. Length-frequency distribution for rock bass collected from the Kankakee River and Horse Creek, July/ August 1989.

Table 1. Intake and discharge flows (ft³/s) and discharge temperature (°C) of the cooling pond at 7 am of the Braidwood Station during the 1989 sampling period.

Date	Intake flow	Discharge flow	Discharge temperature
*Jul 31	104.7	36.0	29.4
*Aug 01	100.3	36.0	28.3
02	100.3	37.0	29.2
03	99.2	36.0	30.0
*04	102.5	35.0	30.0
05	103.6	35.0	29.4
06	off	36.1	29.4
*07	102.5	36.8	27.2
*08	103.6	35.0	28.9
09	105.8	30.1	28.2
*10	102.5	31.2	29.4

* sampling day

Table 2. Fishes collected from the Kankakee River and Horse Creek in the Braidwood Station Aquatic Monitoring Area from 1977 through 1989.

Lepisosteidae	
<i>Lepisosteus osseus</i> (Linnaeus)	Longnose gar
Amiidae	
<i>Amia calva</i> Linnaeus	Bowfin
Anguillidae	
<i>Anguilla rostrata</i> (Lesueur)	American eel
Clupeidae	
<i>Dorosoma cepedianum</i> (Lesueur)	Gizzard shad
<i>Dorosoma petenense</i> (Günther)	Threadfin shad
Salmonidae	
<i>Salmo gairdneri</i> Richardson	Rainbow trout
Umbridae	
<i>Umbria limi</i> (Kirtland)	Central mudminnow
Esocidae	
<i>Esox americanus</i> Gmelin	Grass pickerel
<i>Esox lucius</i> Linnaeus	Northern pike
Cyprinidae	
<i>Carassius auratus</i> (Linnaeus)	Goldfish
<i>Cyprinus carpio</i> Linnaeus	Carp
<i>Notemigonus crysoleucas</i> (Mitchill)	Golden shiner
<i>Scardinus erthrophthalmus</i> Linnaeus	Rudd
<i>Semotilus atromaculatus</i> (Mitchill)	Creek chub
<i>Nocomis biguttatus</i> (Kirtland)	Hornyhead chub
<i>Phenacodus mirabilis</i> (Girard)	Suckermouth minnow
<i>Hybopsis amnis</i> (Hubbs & Greene)	Pallid chub
<i>Notropis atherinoides</i> Rafinesque	Emerald shiner
<i>Notropis buechanani</i> Meek	Ghost shiner
<i>Notropis chrysocephalus</i> (Rafinesque)	Striped shiner
<i>Notropis dorsalis</i> (Agassiz)	Bigmouth shiner
<i>Notropis emiliae</i> (Hay)	Pugnose minnow
<i>Notropis lutrensis</i> (Baird & Girard)	Red shiner
<i>Notropis rubellus</i> (Agassiz)	Rosyface shiner
<i>Notropis spilopterus</i> (Cope)	Spotfin shiner
<i>Notropis stramineus</i> (Cope)	Sand shiner
<i>Notropis umbratilis</i> (Girard)	Redfin shiner
<i>Notropis volucellus</i> (Cope)	Mimic shiner
<i>Ericymba buccata</i> Cope	Silverjaw minnow

Table 2 (concluded).

<i>Pimephales notatus</i> (Rafinesque)	Bluntnose minnow
<i>Pimephales promelas</i> Rafinesque	Fathead minnow
<i>Pimephales vigilax</i> (Baird & Girard)	Bullhead minnow
<i>Campostoma anomalum</i> (Rafinesque)	Common stoneroller
Catostomidae	
<i>Ictiobus bubalus</i> (Rafinesque)	Smallmouth buffalo
<i>Ictiobus cyprinellus</i> (Valenciennes)	Bigmouth buffalo
<i>Carpodus carpio</i> (Rafinesque)	River carpsucker
<i>Carpodus cyprinus</i> (Lesueur)	Quillback
<i>Moxostoma anisurum</i> (Rafinesque)	Silver redhorse
<i>Moxostoma carinatum</i> (Cope)	River redhorse
<i>Moxostoma duquesnei</i> (Lesueur)	Black redhorse
<i>Moxostoma erythrum</i> (Rafinesque)	Golden redhorse
<i>Moxostoma macrolepidotum</i> (Lesueur)	Shorthead redhorse
<i>Hypentelium nigricans</i> (Lesueur)	Northern hog sucker
<i>Catostomus commersoni</i> (Lacépède)	White sucker
<i>Minytrema melanops</i> (Rafinesque)	Spotted sucker
<i>Erimyzon oblongus</i> (Mitchill)	Creek chubsucker
<i>Erimyzon sucetta</i> (Lacépède)	Lake chubsucker
Ictaluridae	
<i>Ictalurus melas</i> (Rafinesque)	Black bullhead
<i>Ictalurus natalis</i> (Lesueur)	Yellow bullhead
<i>Ictalurus nebulosus</i> (Lesueur)	Brown bullhead
<i>Ictalurus punctatus</i> (Rafinesque)	Channel catfish
<i>Noturus flavus</i> Rafinesque	Stoneroller
<i>Noturus gyrinus</i> Mitchill	Tadpole madtom
Aphredoderidae	
<i>Aphredoderus sayanus</i> (Gilliams)	Pirate perch
Cyprinodontidae	
<i>Fundulus notatus</i> (Rafinesque)	Blackstripe topminnow
Atherinidae	
<i>Labidesthes sicculus</i> (Cope)	Brook silverside
Percichthyidae	
<i>Morone mississippiensis</i> Jordan & Eigenmann	Yellow bass
Centrarchidae	
<i>Micropterus dolomieu</i> Lacépède	Smallmouth bass
<i>Micropterus salmoides</i> (Lacépède)	Largemouth bass
<i>Lepomis cyanellus</i> Rafinesque	Green sunfish
<i>Lepomis gibbosus</i> (Linnaeus)	Pumpkinseed
<i>Lepomis gulosus</i> (Cuvier)	Warmouth
<i>Lepomis humilis</i> (Girard)	Orangespotted sunfish
<i>Lepomis macrochirus</i> (Rafinesque)	Bluegill
<i>Lepomis megalotis</i> (Rafinesque)	Longear sunfish
<i>Lepomis microlophus</i> (Gunther)	Redear sunfish
<i>Ambloplites rupestris</i> (Rafinesque)	Rock bass
<i>Pomoxis annularis</i> Rafinesque	White crappie
<i>Pomoxis nigromaculatus</i> (Lesueur)	Black crappie
Percidae	
<i>Stizostedion vitreum</i> (Mitchill)	Walleye
<i>Perca flavescens</i> (Mitchill)	Yellow perch
<i>Percina caprodes</i> (Rafinesque)	Logperch
<i>Percina maculata</i> (Girard)	Blackside darter
<i>Percina phoxocephala</i> (Nelson)	Slenderhead darter
<i>Etheostoma caeruleum</i> Storer	Rainbow darter
<i>Etheostoma microperca</i> Jordan & Gilbert	Least darter
<i>Etheostoma nigrum</i> Rafinesque	Johnny darter
<i>Etheostoma zonale</i> (Cope)	Banded darter
Scaenidae	
<i>Aplodinotus grunniens</i> Rafinesque	Freshwater drum

Table 3. Total catch of the pallid chub and river redhorse from designated stations in the Braidwood Station Aquatic Monitoring Area, 1977-1989.

	1977	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989
Pallid chub	0	1	9	3	2	1	49	16	4	0	0	0
River redhorse	70	10	46	26	10	4	5	18	103	17	9	11

Table 4. Total catch (by method) for each fish species collected from the Kankakee River and Horse Creek, August 1989. Biomass (Wt) is in grams.

Species	Electrofishing		Seining		Total	
	No. (%)	Wt. (%)	No. (%)	Wt. (%)	No. (%)	Wt. (%)
Longnose gar	24(0.7)	2298.8(0.9)	4(0.3)	8.3(0.2)	28(0.5)	2307.0(0.9)
Bowfin	1(0.0)	42.0(0.0)	1(0.1)	56.54(1.5)	2(0.0)	98.5(0.0)
Gizzard shad	157(4.3)	13632.2(5.5)	8(0.5)	2.3(0.1)	165(3.2)	13634.5(5.4)
Grass pickerel	12(0.3)	192.4(0.1)	7(0.5)	42.8(1.1)	19(0.4)	235.2(0.1)
Central stoneroller	0(0.0)	0.0(0.0)	1(0.1)	0.8(0.0)	1(0.0)	0.8(0.0)
Goldfish	1(0.0)	74.0(0.0)	0(0.0)	0.0(0.0)	1(0.0)	74.0(0.0)
Rudd	2(0.1)	99.1(0.0)	0(0.0)	0.0(0.0)	2(0.0)	99.1(0.0)
Carp	115(3.20)	63407.7(25.6)	0(0.0)	0.0(0.0)	115(2.3)	63407.7(25.2)
Silverjaw minnow	0(0.0)	0.0(0.0)	3(0.2)	0.5(0.0)	3(0.1)	0.5(0.0)
Hornyhead chub	7(0.2)	107.0(0.0)	2(0.1)	27.5(0.7)	9(0.2)	134.5(0.1)
Golden shiner	8(0.2)	111.1(0.0)	1(0.1)	2.9(0.1)	9(0.2)	114.0(0.0)
Emerald shiner	0(0.0)	0.0(0.0)	10(0.7)	1.9(0.1)	10(0.2)	1.9(0.0)
Ghost shiner	3(0.1)	2.1(0.0)	1(0.1)	0.5(0.0)	4(0.1)	2.6(0.0)
Striped shiner	66(1.8)	363.7(0.1)	36(2.4)	54.8(1.4)	102(2.0)	418.4(0.2)
Red shiner	0(0.0)	0.0(0.0)	1(0.1)	0.3(0.0)	1(0.0)	0.3(0.0)
Rosyface shiner	28(0.8)	36.7(0.0)	171(11.5)	68.7(1.8)	199(3.9)	105.4(0.0)
Spotfin shiner	28(0.8)	74.4(0.0)	197(13.2)	64.3(1.7)	225(4.4)	138.7(0.1)
Sand shiner	11(0.3)	12.8(0.0)	9(0.6)	7.2(0.2)	20(0.4)	19.8(0.0)
Redfin shiner	11(0.3)	13.5(0.0)	15(1.0)	15.4(0.4)	26(0.5)	28.9(0.0)
Mimic shiner	12(0.3)	14.6(0.0)	2(0.1)	1.5(0.0)	14(0.3)	16.1(0.0)
Suckermouth minnow	1(0.0)	0.9(0.0)	1(0.1)	0.6(0.0)	2(0.0)	1.6(0.0)
Bluntnose minnow	101(2.8)	201.5(0.1)	435(29.2)	199.9(5.3)	536(10.5)	401.3(0.2)
Fathead minnow	0(0.0)	0.0(0.0)	1(0.1)	2.0(0.1)	1(0.0)	2.0(0.0)
Bullhead minnow	24(0.7)	35.2(0.0)	51(3.4)	20.7(0.5)	75(1.5)	55.9(0.0)
River carpsucker	1(0.0)	750.0(0.3)	0(0.0)	0.0(0.0)	1(0.0)	750.0(0.3)
Quillback	32(0.9)	11981.1(4.8)	0(0.0)	0.0(0.0)	32(0.6)	11981.1(4.8)
Northern hog sucker	19(0.5)	6596.0(2.7)	0(0.0)	0.0(0.0)	19(0.4)	6596.0(2.6)
Smallmouth buffalo	12(0.3)	1634.6(0.7)	3(0.2)	3.8(0.1)	15(0.3)	1638.4(0.7)
Bigmouth buffalo	1(0.0)	2150.0(0.9)	0(0.0)	0.0(0.0)	1(0.0)	2150.0(0.9)
Spotted sucker	16(0.4)	1306.0(0.5)	0(0.0)	0.0(0.0)	16(0.3)	1306.0(0.5)
Silver redhorse	29(0.8)	1213.0(0.5)	1(0.1)	38.0(1.0)	30(0.6)	1251.0(0.5)
River redhorse	11(0.3)	16324.0(6.6)	0(0.0)	0.0(0.0)	11(0.2)	16324.0(6.5)
Black redhorse	2(0.1)	307.0(0.1)	0(0.0)	0.0(0.0)	2(0.0)	307.0(0.1)
Golden redhorse	262(7.2)	39528.7(16.0)	0(0.0)	0.0(0.0)	262(5.1)	39528.7(15.7)
Shorthead redhorse	35(1.0)	6506.2(2.6)	0(0.0)	0.0(0.0)	35(0.7)	6506.2(2.6)
Black bullhead	16(0.4)	1202.0(0.5)	0(0.0)	0.0(0.0)	16(0.3)	1202.0(0.5)
Yellow bullhead	11(0.3)	643.0(0.3)	0(0.0)	0.0(0.0)	11(0.2)	643.0(0.3)
Channel catfish	1(0.0)	1420.0(0.6)	0(0.0)	0.0(0.0)	1(0.0)	1420.0(0.6)
Stoneroller	1(0.0)	51.0(0.0)	0(0.0)	0.0(0.0)	1(0.0)	51.0(0.0)
Pirate perch	1(0.0)	12.2(0.0)	0(0.0)	0.0(0.0)	1(0.0)	12.2(0.0)
Blackstripe topminnow	2(0.1)	4.3(0.0)	4(0.3)	2.8(0.1)	6(0.1)	7.0(0.0)
Brook silverside	52(1.4)	65.2(0.0)	205(13.8)	60.9(1.6)	257(5.0)	126.2(0.1)
Yellow bass	1(0.0)	1.8(0.0)	0(0.0)	0.0(0.0)	1(0.0)	1.8(0.0)
Rock bass	264(7.3)	17744.7(7.2)	15(1.0)	456.8(12.1)	279(5.5)	18201.5(7.2)

Table 4 (concluded).

Species	Electrofishing		Seining		Total	
	No. (%)	Wt. (%)	No. (%)	Wt. (%)	No. (%)	Wt. (%)
Green sunfish	226(6.2)	3165.8(1.3)	52(3.5)	337.3(8.9)	278(5.4)	3503.1(1.4)
Warmouth	9(0.2)	490.0(0.2)	0(0.0)	0.0(0.0)	9(0.2)	490.0(0.2)
Orangespotted sunfish	177(4.9)	1751.9(0.7)	8(0.5)	106.7(2.8)	185(3.6)	1858.5(0.7)
Bluegill	172(4.8)	2161.4(0.9)	29(1.9)	95.7(2.5)	201(3.9)	2257.1(0.9)
Longear sunfish	853(23.6)	12224.0(4.9)	138(9.3)	823.6(21.7)	991(19.4)	13047.6(5.2)
Redear sunfish	2(0.1)	63.8(0.0)	1(0.1)	17.0(0.4)	3(0.1)	80.8(0.0)
Green x longear sunfish	1(0.0)	40.0(0.0)	0(0.0)	0.0(0.0)	1(0.0)	40.0(0.0)
Smallmouth bass	599(16.6)	31841.8(12.9)	26(1.7)	243.1(6.4)	625(12.2)	32084.9(12.8)
Largemouth bass	88(2.4)	4238.0(1.7)	31(2.1)	697.9(18.4)	119(2.3)	4935.8(2.0)
White crappie	1(0.0)	18.0(0.0)	0(0.0)	0.0(0.0)	1(0.0)	18.0(0.0)
Black crappie	5(0.1)	434.0(0.2)	6(0.4)	309.4(8.2)	11(0.2)	743.4(0.3)
Johnny darter	4(0.1)	4.8(0.0)	8(0.5)	3.3(0.1)	12(0.2)	8.1(0.0)
Banded darter	2(0.1)	2.3(0.0)	0(0.0)	0.0(0.0)	2(0.0)	2.3(0.0)
Logperch	56(1.5)	398.1(0.2)	1(0.1)	5.7(0.2)	57(1.1)	403.8(0.2)
Blackside darter	9(0.2)	26.6(0.0)	3(0.2)	5.0(0.1)	12(0.2)	31.6(0.0)
Slenderhead darter	31(0.9)	76.3(0.0)	1(0.1)	2.2(0.1)	32(0.6)	80.5(0.0)
Freshwater drum	1(0.0)	340.0(0.1)	0(0.0)	0.0(0.0)	1(0.0)	340.0(0.1)
All species	3617	247439.2	1489	3786.5	5106	251227.7

Table 5. Percent composition by biomass and rank (in parentheses) of the dominant fishes collected at all stations in the Kankakee River and Horse Creek, both methods, July/ August 1989. * Similar data from 1988 are provided for comparison.

Species	1989	1988
Carp	25.2 (1)	10.3 (4)
Golden redhorse	15.7 (2)	23.5 (1)
Smallmouth bass	12.8 (3)	13.5 (2)
Rock bass	7.2 (4)	8.3 (6)
River redhorse	6.5 (5)	1.5 (10)
Gizzard shad	5.4 (6)	12.6 (3)
Longear sunfish	5.2 (7)	2.6 (9)
Quillback	4.8 (8)	9.9 (5)
Northern hogsucker	2.6 (9)	6.4 (7)
Shorthead redhorse	2.6 (10)	3.7 (8)

Table 6. Percent composition by total abundance and rank (in parentheses) of the dominant fishes collected at all stations in the Kankakee River and Horse Creek, both methods, July/ August 1989. Similar data from 1988 are provided for comparison.

Species	1989	1988
Longear sunfish	19.4 (1)	7.8 (3)
Smallmouth bass	12.2 (2)	21.4 (1)
Bluntnose minnow	10.5 (3)	6.5 (5)
Rock bass	5.5 (4)	4.9 (7)
Green sunfish	5.4 (5)	—
Golden redhorse	5.1 (6)	2.8 (9)
Brook silverside	5.0 (7)	—
Spotfin shiner	4.4 (8)	2.7 (10)
Bluegill	3.9 (9)	—
Rosyface shiner	3.9 (10)	6.8 (4)

Table 7. Mean biomass (g) and range, percent composition by weight, and rank (R) of the total catch of dominant fishes collected at each station from electrofishing samples in the Kankakee River and Horse Creek, July/August 1989.

Species	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R
Carp											
Mean	1404.7	742.5	1896.2	221.2	493.7	712.5	2263.0	3827.2	1553.1	2176.2	562.5
Range	0-3660	0-1880	0-5515	0-885	0-1050	0-2850	362-6290	1790-6650	117-2435	0-4615	0-2250
%(R)	22.0(1)	18.6(2)	19.8(2)	6.4(3)	11.8(4)	36.2(1)	44.0(1)	34.6(1)	33.6(1)	23.3(2)	26.3(2)
Golden redhorse											
Mean	902.2	1234.2	3027.5	837.2	881.8	243.0	471.6	322.7	64.9	1396.8	500.2
Range	152-2308	601-2698	1580-4891	146-1988	372-1430	0-608	112-1066	96-921	0-259	561-1933	0-1035
%(R)	14.1(3)	30.9(1)	31.5(1)	24.4(2)	21.1(1)	12.4(4)	9.2(4)	2.9(5)	1.4(8)	15.0(3)	23.4(3)
Smallmouth bass											
Mean	1133.8	450.2	466.8	921.1	858.6	320.8	513.0	128.5	84.3	2468.6	584.8
Range	856-1348	114-1268	148-682	188-2159	533-1648	56-859	140-822	76-177	21-142	1250-5690	302-788
%(R)	18.2(2)	11.3(3)	4.9(7)	26.8(1)	20.5(2)	16.3(2)	10.0(3)	1.2(8)	1.8(7)	26.5(1)	27.3(1)
Rock bass											
Mean	818.1	119.1	498.9	154.2	484.0	112.8	285.0	289.3	319.2	1243.5	111.0
Range	397-1352	16-250	20-1215	12-441	106-837	31-319	0-850	76-468	179-467	391-1858	0-358
%(R)	12.8(4)	3.0(8)	5.2(6)	4.5(7)	11.6(5)	5.7(5)	5.5(6)	2.6(6)	6.9(3)	13.3(4)	5.2(5)
River redhorse											
Mean	680.2	173.8	—	—	595.2	—	—	1304.0	—	1207.8	120.0
Range	0-2712	0-630	—	—	0-2381	—	—	0-5216	—	0-2740	0-480
%(R)	10.7(5)	4.3(7)	—	—	14.2(3)	—	—	11.8(4)	—	13.0(5)	5.6(4)
Gizzard shad											
Mean	148.2	68.2	660.8	—	51.2	—	37.1	1402.9	985.1	27.1	27.2
Range	0-348	0-192	290-1616	—	0-205	—	0-148	311-2405	709-1355	0-108	0-109
%(R)	2.3(8)	1.7(9)	6.9(5)	—	1.2(8)	—	0.7(8)	12.7(3)	21.3(2)	0.3(9)	1.3(7)
Longear sunfish											
Mean	346.9	343.7	780.7	220.7	196.7	323.0	155.2	169.2	268.7	199.0	52.2
Range	262-614	315-397	579-1084	62-455	83-367	174-401	15-264	45-261	107-359	21-343	0-76
%(R)	5.4(6)	8.6(5)	8.1(4)	6.4(3)	4.7(7)	16.4(3)	3.0(7)	1.5(7)	5.8(4)	2.1(6)	2.4(6)
Quillback											
Mean	—	352.2	160.0	181.2	259.0	—	378.5	1423.9	78.8	161.6	—
Range	—	0-1080	0-640	0-725	0-780	—	0-1514	402-2600	0-133	0-645	—
%(R)	—	8.8(4)	1.7(8)	5.3(6)	6.2(6)	—	7.4(5)	12.9(2)	1.7(7)	1.7(7)	—
Northern hogsucker											
Mean	14.2	32.0	1582.5	—	—	—	—	—	—	10.0	10.2
Range	0-57	0-128	0-4143	—	—	—	—	—	—	0-40	0-41
%(R)	0.2(9)	0.8(10)	16.5(3)	—	—	—	—	—	—	0.1(10)	0.5(8)
Shorthead redhorse											
Mean	230.7	286.0	97.5	201.8	—	—	582.2	24.8	125.0	78.6	—
Range	9-530	0-630	0-390	0-420	—	—	0-1277	0-99	0-500	26-199	—
%(R)	3.6(7)	7.2(6)	1.0(9)	5.9(5)	—	—	11.3(2)	0.2(9)	2.7(5)	0.8(8)	—

Table 8. Percent composition by biomass and rank (in parentheses) of the dominant fishes collected at all stations in the Kankakee River and Horse Creek by electrofishing, July/ August 1989. Similar data from 1988 are provided for comparison.

Species	1989	1988
Carp	25.6 (1)	10.6 (4)
Golden redhorse	16.0 (2)	26.2 (1)
Smallmouth bass	12.9 (3)	13.0 (2)
Rock bass	7.2 (4)	8.1 (6)
River redhorse	6.6 (5)	1.5 (10)
Gizzard shad	5.5 (6)	12.7 (3)
Longear sunfish	4.9 (7)	2.0 (9)
Quillback	4.8 (8)	10.2 (5)
Northern hogsucker	2.7 (9)	6.6 (7)
Shorthead redhorse	2.6 (10)	3.9 (8)

Table 9. Mean abundance and range, percent composition by number, and rank (R) of the total catch of dominant fishes collected at each station from electrofishing samples in the Kankakee River and Horse Creek, July/August 1989.

Species	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R
Longear sunfish											
Mean	26.00	25.75	41.75	20.50	9.75	25.75	11.75	17.00	20.50	9.00	5.50
Range	16-48	21-29	29-53	4-39	4-18	17-32	2-26	3-28	13-26	1-16	0-11
%(R)	24.94(2)	25.75(1)	41.96(1)	32.51(1)	21.79(1)	44.02(1)	16.79(3)	10.16(5)	20.65(1)	9.76(2)	17.74(2)
Smallmouth bass											
Mean	31.00	13.25	8.00	10.75	8.25	6.75	12.75	7.00	4.25	40.25	7.50
Range	25-40	11-15	4-13	6-20	5-10	5-8	8-20	2-10	2-7	34-45	4-9
%(R)	29.74(1)	13.25(2)	8.04(2)	17.06(2)	18.44(2)	11.54(2)	18.21(1)	4.19(7)	4.28(8)	43.63(1)	24.19(1)
Rock bass											
Mean	6.00	6.75	5.75	7.25	6.00	5.00	5.00	8.50	5.75	8.50	1.50
Range	4-7	1-17	2-9	1-15	3-9	4-7	0-15	6-14	1-9	3-11	0-3
%(R)	5.76(4)	6.75(4)	5.78(6)	11.51(4)	13.41(3)	8.55(4)	7.14(4)	5.08(6)	5.79(5)	9.21(3)	4.84(5)
Golden redbreast											
Mean	10.25	9.25	7.50	5.75	5.00	1.25	12.00	3.75	1.25	8.00	1.50
Range	4-16	7-13	5-11	4-7	3-6	0-3	4-16	1-6	0-4	3-12	0-3
%(R)	9.83(3)	9.25(3)	7.54(3)	9.13(5)	11.17(4)	2.14(6)	17.14(2)	2.24(9)	1.26(9)	8.67(4)	4.89(5)
Green sunfish											
Mean	2.00	2.75	7.50	9.50	1.25	6.25	1.00	19.50	5.25	1.00	0.50
Range	0-4	1-5	2-14	0-19	0-3	2-22	0-2	7-33	0-14	0-4	0-1
%(R)	1.92(7)	2.75(5)	7.54(3)	15.08(3)	2.79(8)	10.68(3)	1.43(9)	11.66(3)	5.29(7)	1.08(7)	1.61(8)
Orangespotted sunfish											
Mean	—	—	—	0.50	0.75	2.25	3.75	24.00	12.75	—	0.25
Range	—	—	—	0-1	0-2	0-6	1-7	12-44	8-17	—	0-1
%(R)	—	—	—	0.79(7)	1.68(9)	3.85(5)	5.36(5)	14.35(1)	12.85(2)	—	0.81(9)
Bluegill											
Mean	1.50	2.00	1.50	0.50	2.25	1.25	1.50	20.50	6.50	2.00	3.50
Range	0-4	1-3	1-2	0-2	0-4	0-5	0-3	12-41	3-13	1-4	2-6
%(R)	1.44(9)	2.00(7)	1.51(9)	0.79(9)	5.03(5)	2.14(6)	2.14(7)	12.26(2)	6.55(4)	2.17(6)	11.29(3)
Gizzard shad											
Mean	1.75	1.00	4.50	—	0.25	—	1.00	17.50	12.50	0.50	0.25
Range	0-4	0-3	3-7	—	0-1	—	0-2	4-33	10-17	0-1	0-1
%(R)	1.68(8)	1.34(8)	4.52(7)	—	0.56(10)	—	1.43(9)	10.46(4)	12.59(3)	0.54(9)	0.81(9)
Carp											
Mean	2.50	0.75	1.75	0.25	2.00	1.25	3.75	7.00	5.75	3.00	0.75
Range	0-7	0-2	0-5	0-1	0-6	0-5	1-10	6-8	1-15	0-8	0-3
%(R)	2.40(6)	1.01(9)	1.76(8)	0.40(9)	4.47(6)	2.14(6)	5.36(6)	4.19(7)	5.79(5)	3.25(5)	2.42(7)
Bluntnose minnow											
Mean	3.75	2.00	6.00	1.25	1.50	1.00	1.50	3.50	1.00	1.00	2.75
Range	0-7	1-3	0-18	0-3	0-3	0-2	0-4	0-6	0-2	0-3	1-5
%(R)	3.60(5)	2.68(6)	6.03(5)	1.98(6)	3.35(7)	1.71(9)	2.14(7)	2.09(10)	1.01(10)	1.08(7)	4.87(4)

Table 10. Percent composition of total abundance and rank (in parentheses) of the dominant fishes collected at all stations in the Kankakee River and Horse Creek by electrofishing, July/August 1989. Similar data from 1988 are provided for comparison.

Species	1989	1988
Longear sunfish	23.6 (1)	7.0 (3)
Smallmouth bass	16.6 (2)	22.9 (1)
Rock bass	7.3 (3)	4.2 (7)
Golden redhorse	7.2 (4)	4.2 (6)
Green sunfish	6.2 (5)	—
Orangespotted sunfish	4.9 (6)	—
Bluegill	4.8 (7)	—
Gizzard shad	4.3 (8)	22.3 (2)
Carp	3.2 (9)	3.6 (10)
Bluntnose minnow	2.8 (10)	4.6 (5)

Table 11. Age and length (mm) of smallmouth bass collected from the Kankakee River in 1989.

Age	N	Length		SD
		Mean	Range	
I+	9	129.0	104-155	21.79450
II+	11	186.1	167-215	13.91402
III+	6	264.2	245-285	18.70561
IV+	6	336.7	328-352	9.02589
V+	4	370.0	340-398	23.93046

Table 12. Length of age III+ smallmouth bass from other Midwestern streams (Carlander 1977).

Location	N	Length	
		Mean	Range
Little Miami River, Ohio	195	214	142-290
Arkansas streams	191	235	152-328
Black River, Missouri	212	264	155-328
Jordan Creek, Illinois	108	279	264-306
Iowa streams	106	291	241-400

Table 13. Mean diversity indices for the catch of fishes at each station during August 1977-1979, August 1981-1983, July/August 1984-1985, August 1986-1988, and July/August 1989 for electrofishing, seining, and both methods combined.

Year	1L	1R	2	3L	3R	4L	4R	3-4L	3-4R	5L	5R	6L	6R
Electrofishing (N=4)													
1977	3.31	2.89	3.15	—	—	—	—	3.31	2.85	3.33	3.31	3.22	2.94
1978	3.12	2.51	3.02	2.68	2.56	2.91	2.75	—	—	2.92	3.73	3.09	2.42
1979	3.04	2.83	3.23	2.75	2.72	2.55	2.65	—	—	3.29	3.05	3.07	2.94
1981	3.16	3.20	3.29	3.11	2.84	2.87	2.90	—	—	3.53	3.38	3.01	2.86
1982	2.65	2.31	3.24	2.15	2.26	2.11	1.93	—	—	2.73	1.17	3.16	2.23
1983	2.72	2.91	3.31	2.63	2.29	2.13	1.66	—	—	3.04	2.46	2.79	2.42
1984	2.55	2.82	2.93	2.35	2.42	2.38	2.53	—	—	2.90	2.40	2.32	2.68
1985	2.66	2.89	3.61	2.44	3.56	2.23	2.77	—	—	3.04	3.33	2.64	3.10
1986	3.09	3.29	3.05	2.87	3.17	3.04	2.84	—	—	3.26	3.19	2.88	3.18
1987	2.93	2.97	3.45	2.74	2.34	2.75	2.71	—	—	3.39	2.51	2.97	2.50
1988	3.22	2.90	3.52	2.14	3.04	2.86	2.43	—	—	2.59	3.68	2.60	2.86
1989	3.05	2.97	2.92	2.61	3.15	2.60	3.29	—	—	3.86	3.47	2.80	3.06
Seining (N = 4)													
1977	2.52	2.21	2.71	2.81	2.16	2.89	2.15	—	—	2.55	2.66	2.60	2.50
1978	1.56	2.15	1.47	1.45	2.19	1.39	1.69	—	—	2.49	2.24	1.29	2.33
1979	2.00	1.85	1.80	1.81	1.31	2.42	1.73	—	—	2.81	2.26	1.29	2.33
1981	1.95	2.25	1.82	2.14	0.78	1.73	1.17	—	—	2.72	2.88	1.67	2.61
1982	1.51	1.10	1.63	0.91	0.00	0.72	0.82	—	—	2.39	2.30	0.80	0.81
1983	1.19	1.11	0.76	0.46	0.23	0.95	0.82	—	—	2.26	2.08	0.47	1.55
1984	1.29	1.05	1.11	1.83	0.71	1.07	0.22	—	—	1.99	1.86	0.84	1.32
1985	2.17	2.69	2.80	1.84	2.05	2.42	2.53	—	—	2.19	3.07	1.32	2.99
1986	1.53	2.24	1.26	1.75	0.87	1.44	1.46	—	—	2.49	1.74	2.34	1.74
1987	1.83	2.34	2.62	1.72	1.35	1.67	2.25	—	—	2.24	2.27	1.45	1.52
1988	1.20	2.30	1.78	1.87	2.00	1.81	1.40	—	—	2.64	2.64	0.96	1.90
1989	2.20	1.64	1.35	1.89	1.86	2.03	2.16	—	—	2.25	2.28	2.05	2.48
Combined (N = 8)													
1977	3.53	3.15	3.15	2.81	2.16	2.89	2.15	3.31	2.85	3.35	3.40	3.84	3.07
1978	3.30	3.17	3.40	2.98	3.01	3.20	3.28	—	—	3.40	3.02	3.22	3.36
1979	3.54	3.09	2.78	3.23	2.65	3.47	3.02	—	—	4.06	2.83	3.62	2.72
1981	3.61	3.72	3.56	3.54	3.23	3.48	3.27	—	—	4.15	4.06	3.29	3.58
1982	3.17	2.85	3.37	2.36	2.39	2.56	2.64	—	—	3.53	2.82	3.11	2.79
1983	2.91	2.84	3.17	2.73	2.15	2.56	2.64	—	—	3.53	2.82	3.11	2.79
1984	2.48	3.07	3.09	2.99	2.42	2.16	2.52	—	—	3.12	2.88	2.29	2.86
1985	2.42	2.79	3.21	2.14	2.80	2.32	2.65	—	—	2.62	3.20	1.98	3.04
1986	2.31	2.77	2.15	2.31	2.02	2.24	2.15	—	—	2.88	2.47	2.61	2.46
1987	2.38	2.66	3.04	2.23	1.85	2.21	2.48	—	—	2.81	2.39	2.21	2.01
1988	2.22	2.60	2.94	2.01	2.52	2.33	1.92	—	—	2.12	3.16	1.78	2.38
1989	2.63	2.31	2.14	2.25	2.51	2.31	2.72	—	—	3.06	2.87	2.42	2.77

Table 14. Number and percentage of total catch (in parentheses) by number of anomalies (macroparasites, diseases, malformities, and injuries) associated with fishes collected at each sampling station on the Kankakee River and Horse Creek during July/August 1989.

Anomaly	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R	Total
<i>Neascus</i> (Trematoda)	49 (10.0)	39 (11.8)	68 (15.6)	30 (9.2)	31 (14.2)	24 (6.9)	36 (5.4)	111 (9.6)	41 (8.2)	36 (8.3)	16 (7.9)	481 (9.4)
Leeches (Hirudinea)	10 (2.0)	2 (0.6)	1 (0.2)	4 (1.2)	7 (3.2)	3 (0.9)	4 (0.6)	2 (0.2)	1 (0.2)	14 (3.2)	2 (1.0)	50 (1.0)
<i>Lernaea</i> (Copepoda)	5 (1.0)	4 (1.2)	3 (0.7)	4 (1.2)	4 (1.8)	2 (0.6)	3 (0.4)	10 (0.9)	3 (0.6)	16 (3.7)	4 (2.0)	58 (1.1)
Fungus	1 (0.2)	—	1 (0.2)	—	3 (1.4)	1 (0.3)	—	—	1 (0.2)	4 (0.9)	—	11 (0.2)
Malformations	2 (0.4)	2 (0.6)	4 (0.9)	1 (0.3)	—	1 (0.3)	2 (0.3)	2 (0.2)	1 (0.2)	5 (1.2)	—	20 (0.4)
<i>Ich</i> (Ciliophora)	—	—	—	—	1 (0.5)	—	—	—	1 (0.2)	—	—	2 (0.1)
Injury	3 (0.6)	5 (1.5)	15 (3.4)	1 (0.3)	5 (2.3)	4 (1.2)	6 (0.9)	5 (0.4)	9 (1.8)	6 (1.4)	1 (0.5)	60 (1.2)
<i>Argulus</i> (Copepoda)	—	—	2 (0.5)	—	—	—	—	—	—	2 (0.5)	—	4 (0.1)
Total	70 (14.2)	52 (15.7)	94 (21.6)	40 (12.3)	51 (23.4)	53 (10.1)	51 (7.7)	130 (11.2)	57 (11.4)	83 (19.1)	23 (11.4)	686 (13.4)

Table 15. One-way ANOVA of $\ln(x+1)$ abundance of fish captured per unit sampling effort by electrofishing, Kankakee River and Horse Creek, July/August 1989.

Source	df	ssq	msg	Fs	P
Station	10	8.54790	0.85479	8.88	>0.001*
Velocity	1	0.26545	0.26545	2.76	0.108
Water temperature	1	0.22299	0.22299	32	0.140
Depth	1	0.00290	0.00290	0.03	0.863
Oxygen	1	0.30566	0.30566	3.18	0.086
Turbidity	1	0.00599	0.00599	0.06	0.805
Conductivity	1	0.17084	0.17084	1.78	0.194
Error	27	2.59851	0.09624		
Total	43	12.12034			

* = statistically significant at 0.05

Table 16. Duncan's multiple comparison of means of abundance of fish captured by electrofishing, Kankakee River and Horse Creek, July/August 1989. Means underscored by the same line are not significantly different at $P < 0.05$. $N = 4$.

[illegible]

Table 17. One-way ANOVA of $\ln(x + 1)$ biomass of fish captured per unit sampling effort by electrofishing Kankakee River and Horse Creek, July/August 1989.

Source	df	ssq	msq	Fs	P
Station	10	12.16880	1.21688	7.63	>0.001*
Velocity	1	1.22037	1.22037	7.65	0.010*
Water temperature	1	0.34310	0.34310	2.15	0.154
Depth	1	0.22584	0.22584	1.42	0.244
Oxygen	1	2.28154	2.28154	14.30	0.001*
Turbidity	1	0.23015	0.23015	1.44	0.240
Conductivity	1	1.39973	1.39973	8.77	0.007*
Error	27	4.30848	0.15957		
Total	43	22.17801			

^a = statistically significant at 0.05

Table 18. Duncan's multiple comparison of means of biomass of fish captured by electrofishing, Kankakee River and Horse Creek, July/August 1989. Means underscored by the same line are not significantly different at $P < 0.05$. $N = 4$.

Station	5L	4R	6L	3R	3L	1L	5R	2	1R	4L	6R

Table 19. One-way ANOVA of $\ln(x)$ abundance of fish captured per unit sampling effort by seining, Kankakee River and Horse Creek, July/August 1989.

Source	df	ssq	msg	Fs	P
Station	10	20.63235	2.06324	4.32	0.001*
Velocity	1	0.84179	0.84179	1.76	0.195
Water temperature	1	0.35764	0.35764	0.75	0.394
Depth	1	0.82492	0.82496	1.73	0.200
Oxygen	1	0.72258	0.72258	1.51	0.229
Turbidity	1	0.52026	0.52026	1.11	0.302
Conductivity	1	8.46799	8.46799	17.73	>0.001*
Error	27	12.89543	0.47761		
Total	43	45.27200			

* = statistically significant at 0.05

Table 20. Duncan's multiple comparison of means of abundance of fish captured by seining, Kankakee River and Horse Creek, July/August 1989. Means underscored by the same line are not significantly different at $P < 0.05$. $N = 4$.

Station	5L	4R	4L	6R	3L	5R	1L	6L	3R	2	1R

Source	df	ssq	msq	Fs	P
Station	10	37.39690	3.73969	6.91	>0.001*
Velocity	1	6.68193	6.68193	12.34	0.002*
Water temperature	1	0.39369	0.39369	0.73	0.401
Depth	1	7.39279	7.39279	13.66	0.001*
Oxygen	1	1.47754	1.47754	2.73	0.110
Turbidity	1	1.77704	1.77704	3.28	0.081
Conductivity	1	5.36846	5.36846	9.92	0.004*
Error	27	14.61662	0.54136		
Total	43	75.10497			

Station 5L 5R 1L 6L 4R 3L 4L 1R 3R 6R 2

Year	Total catch	Total biomass
1977	12,993	338.1
1978	3,716	131.5
1979	4,430	173.3
1981	3,271	413.9
1982	1,072	221.9
1983	2,190	219.6
1984	2,926	215.0
1985	9,911	220.4
1986	3,587	206.6
1987	4,734	169.9
1988	6,058	217.2
1989	5,106	251.2

Table 24. Percent of total catch of the five dominant species collected from the Kankakee River and Horse Creek during August, 1978-1989.

1978		1979		1981	
Gizzard shad	16.1	Spotfin shiner	23.5	Spotfin shiner	10.2
Bluntnose minnow	15.1	Bluntnose minnow	18.4	Golden redhorse	9.5
Longear sunfish	9.4	Sand shiner	11.1	Bluntnose minnow	7.7
Sand shiner	7.3	Smallmouth bass	5.6	Shorthead redhorse	6.8
Smallmouth bass	6.5	Rock bass	4.8	Rock bass	6.1
Total	69.7	Total	63.4	Total	40.6
1982		1983		1984	
Smallmouth bass	9.3	Striped shiner	18.0	Spotfin shiner	14.3
Golden redhorse	7.7	Spotfin shiner	11.6	Striped shiner	9.5
Striped shiner	7.7	Bluntnose minnow	9.8	Bullhead minnow	8.2
Green sunfish	7.0	Smallmouth bass	8.4	Green sunfish	7.9
Rosyface shiner	6.5	Sand shiner	7.5	Smallmouth bass	7.7
Total	38.2	Total	54.7	Total	47.6
1985		1986		1987	
Bluntnose minnow	23.8	Bluntnose minnow	20.8	Spotfin shiner	21.9
Spotfin shiner	13.5	Longear sunfish	13.1	Bluntnose minnow	13.2
Striped shiner	8.9	Golden redhorse	9.3	Longear sunfish	10.4
Smallmouth bass	6.6	Rock bass	7.5	Gizzard shad	6.0
Golden redhorse	6.5	Smallmouth bass	6.3	Bullhead minnow	5.8
Total	59.3	Total	57.0	Total	57.3
1988		1989			
Smallmouth bass	21.4	Longear sunfish	19.4		
Gizzard shad	15.8	Smallmouth bass	12.2		
Longear sunfish	7.8	Bluntnose minnow	10.5		
Rosyface shiner	6.8	Rock bass	5.5		
Bluntnose minnow	6.5	Green sunfish	5.4		
Total	58.3	Total	53.0		

Table 25. Percent biomass of total catch of the five dominant species collected from the Kankakee River and Horse Creek during August from 1977 through 1989.

1977		1978		1979	
Carp	33.7	Carp	22.6	Golden redhorse	14.9
Golden redhorse	16.6	Quillback	15.4	Smallmouth bass	14.9
Smallmouth bass	14.9	Smallmouth bass	12.9	Carp	14.1
Shorthead redhorse	9.2	Golden redhorse	9.7	Rock bass	9.6
Rock bass	4.7	Silver redhorse	9.1	Quillback	9.3
Total	79.1	Total	69.7	Total	62.8
1981		1982		1983	
Shorthead redhorse	21.0	Carp	26.9	Quillback	36.0
Golden redhorse	18.3	Silver redhorse	17.6	Carp	16.5
Carp	15.6	Golden redhorse	11.7	Golden redhorse	11.6
Smallmouth bass	7.9	Smallmouth bass	10.0	Smallmouth bass	8.1
Rock bass	5.2	Quillback	9.3	Silver redhorse	5.5
Total	68.0	Total	75.5	Total	77.7
1984		1985		1986	
Quillback	28.2	Smallmouth bass	25.0	Golden redhorse	26.6
Golden redhorse	18.8	Golden redhorse	16.7	Quillback	13.3
Silver redhorse	13.4	Quillback	13.5	Rock bass	9.9
Smallmouth bass	9.6	Carp	9.3	Smallmouth bass	9.2
Northern hog sucker	7.6	Rock bass	8.2	Gizzard shad	7.1
Total	77.6	Total	73.6	Total	66.1
1987		1988		1989	
Golden redhorse	16.6	Golden redhorse	25.3	Carp	25.2
Smallmouth bass	15.1	Smallmouth bass	13.5	Golden redhorse	15.7
Gizzard shad	14.1	Gizzard shad	12.6	Smallmouth bass	12.8
Quillback	13.4	Carp	10.3	Rock bass	7.2
Rock bass	9.4	Quillback	9.9	River redhorse	6.5
Total	68.6	Total	71.6	Total	67.4

Table 26. Mean condition factor, K(TL), of fish species collected from the Kankakee River and Horse Creek during July/August 1989.

Species	N	K(TL)	SD	Range
Longnose gar	28	0.15	0.038	0.10-0.27
Bowfin	2	1.11	0.175	0.99-1.24
Gizzard shad	165	0.93	0.123	0.29-1.39
Grass pickerel	19	0.54	0.126	0.17-0.69
Central stoneroller	1	1.19	—	—
Goldfish	1	0.82	—	—
Carp	115	1.39	0.518	0.54-6.26
Golden shiner	9	0.88	0.166	0.61-1.04
Rudd	2	1.53	0.118	1.44-1.61
Hornyhead chub	9	1.15	0.170	0.88-1.45
Emerald shiner	10	0.72	0.427	0.06-1.75
Ghost shiner	4	0.81	0.158	0.70-1.04
Striped shiner	102	0.96	0.194	0.43-2.06
Red shiner	1	1.04	—	—
Rosyface shiner	199	0.70	0.159	0.36-1.51
Spotfin shiner	225	0.94	0.136	0.44-1.46
Sand shiner	20	0.86	0.163	0.59-1.33
Redfin shiner	26	0.84	0.136	0.58-1.24
Mimic shiner	14	0.85	0.115	0.68-1.12
Silverjaw minnow	3	0.76	0.022	0.74-0.78
Suckermouth minnow	2	0.91	0.178	0.78-1.03
Bluntnose minnow	536	0.94	0.240	0.22-2.11
Fathead minnow	1	1.17	—	—
Bullhead minnow	75	0.95	0.174	0.38-1.62
Smallmouth buffalo	15	1.26	0.118	1.03-1.46
Bigmouth buffalo	1	1.53	—	—
River carpsucker	1	1.53	—	—
Quillback	32	1.17	0.071	1.03-1.35
Northern hogsucker	19	1.05	0.121	0.89-1.27
Spotted sucker	16	0.93	0.110	0.68-1.09
Silver redhorse	30	1.03	0.090	0.65-1.18
River redhorse	11	1.02	0.376	0.12-1.74
Black redhorse	2	0.84	0.072	0.79-0.90
Golden redhorse	262	1.02	0.142	0.11-1.45
Shorthead redhorse	35	0.94	0.116	0.67-1.23
Black bullhead	16	1.19	0.139	1.02-1.55
Yellow bullhead	11	1.24	0.176	0.88-1.55
Channel catfish	1	1.00	—	—
Stonecat	1	0.94	—	—
Pirate perch	1	1.52	—	—
Blackstripe topminnow	6	1.00	0.268	0.58-1.40
Brook silverside	257	0.56	0.147	0.22-1.31
Yellow bass	1	1.05	—	—
Rock bass	279	1.83	0.346	0.14-3.29
Green sunfish	278	1.89	0.339	0.38-2.69
Warmouth	9	2.10	0.332	1.46-2.63
Orangespotted sunfish	185	1.76	0.470	0.56-4.62
Bluegill	201	1.66	0.306	0.15-3.79
Longear sunfish	991	1.94	0.317	0.17-4.99
Redear sunfish	3	1.61	0.51	1.03-2.01
Green x longear sunfish	1	1.78	—	—
Smallmouth bass	625	1.03	0.244	0.37-3.91
Largemouth bass	119	1.20	0.192	0.35-1.76

Table 26 (concluded).

Species	N	K(TL)	SD	Rat.
White crappie	1	1.2 ^a	—	—
Black crappie	11	1.4 _L	0.480	1.07-2.63
Logperch	57	0.87	0.126	0.08-1.01
Blackside darter	12	0.89	0.078	0.79-1.04
Johnny darter	12	0.80	0.130	0.63-1.07
Slenderhead darter	32	1.00	0.120	0.72-1.16
Banded darter	2	1.16	0.285	0.95-1.36
Freshwater drum	1	1.45	—	—

Table 27. Mean condition factor, K(TL), and 95% confidence limits for smallmouth bass, Kankakee River and Horse Creek, 1978-1989.

Year	N	Mean	95% C.I.
1978	242	1.30	0.97—1.63
1979	248	1.26	0.98—1.53
1981	190	1.19	0.83—1.54
1982	100	1.41	0.60—2.22
1983	184	1.38	0.81—1.95
1984	225	1.37	1.08—1.66
1985	658	1.24	0.87—1.61
1986	225	1.16	0.96—1.57
1987	221	1.33	—
1988	1,297	1.22	1.21—1.23
1989	625	1.03	1.01—1.05

Table 28. Mean condition factor, K(TL), and 95% confidence limits for golden redbreast, Kankakee River and Horse Creek, 1978-1989.

Year	N	Mean	95% C.I.
1978	84	1.12	0.92—1.32
1979	177	1.13	0.84—1.42
1981	319	1.06	0.79—1.33
1982	83	1.57	—
1983	67	1.16	0.96—1.36
1984	205	1.20	0.89—1.51
1985	640	0.99	0.68—1.30
1986	333	1.07	0.72—1.42
1987	195	1.07	0.80—1.34
1988	172	1.16	1.10—1.22
1989	262	1.02	1.00—1.04

Table 29. Mean condition factor, K(TL), and 95% confidence limits for rock bass, Kankakee River and Horse Creek, 1978-1989.

Year	N	Mean	95% C.I.
1978	162	2.06	1.65—2.47
1979	212	2.16	1.67—2.65
1981	199	2.05	1.40—2.70
1982	43	2.12	1.35—2.87
1983	56	2.10	1.72—2.48
1984	67	2.18	1.20—3.16
1985	380	1.92	1.02—2.82
1986	269	1.89	1.36—2.42
1987	224	1.85	1.32—2.38
1988	298	1.98	1.95—2.01
1989	279	1.83	1.79—1.87

Table 30. Mean condition factor, K(TL), and 95% confidence limits for largemouth bass, Kankakee River and Horse Creek, 1978-1989.

Year	N	Mean	95% C.I.
1978	97	1.30	0.74—1.86
1979	18	1.38	0.77—1.99
1981	61	1.28	0.60—1.96
1982	26	1.12	0.40—1.84
1983	35	1.33	0.94—1.72
1984	21	1.33	0.64—2.02
1985	67	1.28	0.28—2.28
1986	26	1.34	
1987	66	1.17	0.73—1.61
1988	22	1.29	1.17—1.41
1989	119	1.20	1.17—1.23

Table 31. Mean condition factor, K(TL), and 95% confidence limits for spotfin shiner, Kankakee River and Horse Creek, 1978-1989.

Year	N	Mean	95% C.I.
1978	137	0.94	0.70—1.17
1979	917	0.83	0.63—1.03
1981	334	0.84	0.55—1.13
1982	41	0.87	0.68—1.07
1983	255	0.87	0.60—1.14
1984	417	0.85	0.61—1.09
1985	1,342	0.69	0.28—1.10
1986	166	0.79	0.52—1.06
1987	1,038	0.80	0.27—1.33
1988	166	0.75	0.70—0.80
1989	225	0.94	0.92—0.96

Table 32. Condition factor, K(TL), of smallmouth bass from other Midwestern streams.

Location	N	TL range(mm)	Mean K(TL)	Range
Turkey River, Iowa ²	104	100-440	1.27	1.08-1.44
Michigan ²	—	53-483	1.30	1.16-1.41
Des Moines River, Iowa ²	271	76-442	1.45	1.29-1.69
Northeastern Illinois ²	77	114-445	1.50	1.22-1.94
Vermillion River, Illinois ³	8	127-203	1.42	—
(Livingston County)	12	102-292	1.73	—
Fox River, Illinois ³				
(McHenry County)	14	25-267	1.39	—
(Kendall County)	9	114-330	1.39	—
Mackinaw River, Illinois ³				
(Tazewell County)	22	76-305	1.50	—
(Woodford County)	23	63-432	2.11	—

¹Carlander (1969) ²Carlander (1977) ³Herricks & Himelick (1981)

Table 33. Condition factor, K(TL), of rock bass from other Midwestern streams.

Location	N	TL range(mm)	Mean K(TL)	Range
Northeastern Illinois ¹	50	127-254	2.40	1.86-2.49
Minnesota Assessment Standards ²	—	—	< 1.80 , poor condition $2.02-2.38$, average condition > 2.49 , excellent condition	
Mackinaw River, Illinois ²				
(Tazewell County)	6	102-254	2.15	—

¹Carlander (1977) ²Herricks & Himelick (1981)

Table 34. Condition factor, K(TL), of gizzard shad from other Midwestern streams.

Location	N	TL range(mm)	Mean K(TL)	Range
Ohio ¹	—	—	1.11	—
South Dakota Reservoirs ¹	838	127-381	1.02	0.94-1.18
Embarras River, Illinois ² (Lawrence County)	25	—	0.40	—
Mackinaw River, Illinois ² (Tazewell County)	270	140-318	0.90	—
(Woodford County)	100	140-330	0.81	—
Sangamon River, Illinois ² (Piatt County)	23	89-203	1.10	—
(Macon County)	76	64-267	1.29	—
(Champaign County)	30	127-292	1.02	—
Little Wabash River, Illinois ² (Gallatin County)	8	38-292	0.88	—

¹Carlander (1977) ²Herricks & Himelick (1981)

Table 35. Condition factor, K(TL), of golden redbreast from other Midwestern streams.

Location	N	TL range(mm)	Mean K(TL)	Range
Ohio ¹	—	—	1.39	—
Des Moines River, Iowa ¹	—	—	1.02	—
	—	—	1.13	—
Embarras River, Illinois ² (Douglas County)	55	152-381	1.40	—
(Lawrence County)	14	191-330	1.20	—
LaMoine River, Illinois ² (Schuyler County)	4	114-292	1.59	—
Vermillion River, Illinois ² (Livingston County)	26	102-318	1.23	—
	24	114-394	1.32	—
Fox River, Illinois ² (Lake County)	6	254-343	1.46	—
Mackinaw River, Illinois ² (McLean County)	22	89-330	1.38	—
(Tazewell County)	60	127-478	1.26	—
(Woodford County)	49	114-406	1.35	—
Sangamon River, Illinois ³ (Piatt County)	20	152-419	1.25	—
	22	127-394	1.46	—
(Macon County)	8	267-394	1.17	—
(Champaign County)	16	76-368	1.29	—
	62	102-381	1.28	—
	39	165-343	1.25	—
Spoon River, Illinois ³ (Knox County)	23	254-483	1.13	—
	28	279-406	1.11	—
(Stark County)	10	267-356	1.13	—

¹Carlander (1969) ²Herricks & Himelick (1981)

Table 36. Condition factor, K(TL), of longear sunfish from other Midwestern streams.

Location	N	TL range(mm)	Mean K(TL)	Range
Little River, Oklahoma ¹	177	52-160	1.77-2.44	
Embarras River, Illinois ²				
(Douglas County)	64	64-165	2.92	—
(Jasper County)	16	25-76	1.03	—
Mackinaw River, Illinois ²				
(McLean County)	7	51-114	2.71	—
(Tazewell County)	10	89-127	2.15	—
(Woodford County)	54	64-165	2.70	—
Sangamon River, Illinois ²				
(Piatt County)	11	64-152	2.22	—
	13	76-152	2.02	—
	11	38-140	2.85	—
(Champaign County)	11	38-140	1.06	—
	24	64-140	2.50	—
	23	76-140	2.31	—
Little Wabash River, Illinois ²				
(Wayne County)	11	51-114	1.85	—
11	64-114	2.33	—	
(Clay County)	14	64-152	2.72	

¹Carlender (1977) ²Herricks & Himelick (1981)

Table 37. One-way ANOVA by year, without replication, of mean diversity (combined methods) of fish collected in the Kankakee River and Horse Creek during August, 1979-1989. N = 121.

Source	df	ssq	msq	Fs	P
Year	10	17.222	1.722	14.194	>0.001
Error	110	13.346	0.121		
Total	120	30.568			

Table 38. SNK for mean diversity, combined methods, by year, 1978-1989. Means in parentheses. N = 11.

	1988	1987	1986	1989	1985	1983	1984	1982	1979	1978	1981
	(2.362)	(2.388)	(2.395)	(2.545)	(2.652)	(2.712)	(2.716)	(2.872)	(3.183)	(3.213)	(3.590)
1988	—										
1987	ns	—									
1986	ns	ns	—								
1989	ns	ns	ns	—							
1985	ns	ns	ns	ns	—						
1983	ns	ns	ns	ns	ns	—					
1984	ns	ns	ns	ns	ns	ns	—				
1982	**	**	**	ns	ns	ns	ns	—			
1979	**	**	**	**	**	**	**	ns	—		
1978	**	**	**	**	**	**	**	ns	ns	—	
1981	**	**	**	**	**	**	**	**	**	**	—

ns = not statistically significant; ** = statistically significant at 0.05

Table 39. One-way ANOVA by station, without replication, of mean diversity (combined methods) of fish collected in the Kankakee River and Horse Creek during August, 1978-1989. N = 121.

Source	df	ssq	msq	Fs	P
Station	10	4.594	0.459	1.946	0.046
Error	110	25.973	0.236		
Total	120	30.567			

Table 40. One-way ANOVA by year, without replication, of the square root of total abundance of fish collected in the Kankakee River and Horse Creek during August, 1978-1989. N = 121.

Source	df	ssq	msq	Fs	P
Year	10	597.109	59.711	16.600	>0.001
Error	110	395.670	3.597		
Total	120	992.779			

Table 41. SNK for total abundance of fish collected in the Kankakee River and Horse Creek by year, 1978-1989. Means in parentheses. N = 11.

	1982	1983	1984	1981	1986	1978	1979	1987	1989	1988	1985
	(9.595)	(13.332)	(15.688)	(16.285)	(17.418)	(17.740)	(17.985)	(19.750)	(20.895)	(22.837)	(28.589)
1982	-										
1983	**	-									
1984	**	ns	-								
1981	**	ns	ns	-							
1986	**	ns	ns	ns	-						
1978	**	ns	ns	ns	ns	-					
1979	**	ns	ns	ns	ns	ns	-				
1987	**	**	ns	ns	ns	ns	ns	-			
1989	**	**	ns	ns	ns	ns	ns	ns	-		
1988	**	**	**	**	**	**	**	**	**	-	
1985	**	**	**	**	**	**	**	**	**	**	-

ns = not statistically significant; ** = statistically significant at 0.05.

Table 42. One-way ANOVA by station, without replication, of the square root of total abundance of fish collected in the Kankakee River and Horse Creek during August, 1978-1989. N = 121.

Source	df	ssq	msq	Fs	P
Station	10	236.694	26.669	4.041	>0.001
Error	110	726.035	6.601		
Total	120	992.779			

Table 43. SNK for total abundance of fish collected in the Kankakee River and Horse Creek by station, 1978-1989. Means in parentheses. N = 11.

	3R	6R	3L	4L	4R	1R	1L	6L	5R	5L	2
	(14.255)	(14.264)	(14.204)	(14.999)	(15.101)	(16.394)	(19.014)	(19.279)	(22.003)	(25.289)	(25.392)
3R	-										
6R	ns	-									
3L	ns	ns	-								
4L	ns	ns	ns	-							
4R	ns	ns	ns	ns	-						
1R	ns	ns	ns	ns	ns	-					
1L	ns	ns	ns	ns	ns	ns	-				
6L	ns	ns	ns	ns	ns	ns	ns	-			
5R	**	**	**	**	**	**	ns	ns	-		
5L	**	**	**	**	**	**	**	**	ns	-	
2	**	**	**	**	**	**	**	**	ns	ns	-

ns = not statistically significant; ** = statistically significant at 0.05

Table 44. One-way ANOVA by year, without replication, of $\ln(x)$ total biomass of fish collected in the Kankakee River and Horse Creek during August, 1978-1989. N = 121.

Source	df	ssq	msq	Fs	P
Year	10	8.616	0.862	2.742	0.005
Error	110	34.561	0.314		
Total	120	43.177			

Table 45. SNK for total biomass of fish collected in the Kankakee River and Horse Creek by year, 1978-1989. Means in parentheses. N = 11.

	1978 (7.293)	1987 (9.465)	1979 (9.472)	1983 (9.474)	1984 (9.750)	1986 (9.754)	1985 (9.762)	1982 (9.777)	1988 (9.809)	1989 (9.893)	1981 (10.369)
1978	-										
1987	ns	-									
1979	ns	ns	-								
1983	**	ns	ns	-							
1984	**	ns	ns	ns	-						
1986	**	ns	ns	ns	ns	-					
1985	**	ns	ns	ns	ns	ns	-				
1982	**	ns	ns	ns	ns	ns	ns	-			
1988	**	ns	ns	ns	ns	ns	ns	ns	-		
1989	**	**	**	**	**	**	**	**	ns	-	
1981	**	**	**	**	**	**	**	**	**	**	-

ns = not statistically significant; ** = statistically significant at 0.05.

Table 46. One-way ANOVA by station, without replication, of $\ln(x)$ total biomass of fish collected in the Kankakee River and Horse Creek during August, 1978-1989. N = 121.

Source	df	ssq	msq	Fs	P
Station	10	21.279	2.128	10.789	>0.001
Error	110	21.899	0.199		
Total	120	43.178			

Table 47. SNK for total biomass of fish collected in the Kankakee River and Horse Creek by station, 1978-1989. Means in parentheses. N = 11.

	4R (9.142)	6R (9.321)	3R (9.398)	4L (9.420)	3L (9.479)	5R (9.050)	1R (9.754)	5L (10.011)	2 (10.070)	1L (10.382)	6L (10.455)
4R	-										
6R	ns	-									
3R	ns	ns	-								
4L	ns	ns	ns	-							
3L	ns	ns	ns	ns	-						
5R	**	ns	ns	ns	ns	-					
1R	**	**	**	**	**	ns	-				
5L	**	**	**	**	**	ns	ns	-			
2	**	**	**	**	**	**	**	ns	-		
1L	**	**	**	**	**	**	**	ns	ns	-	
6L	**	**	**	**	**	**	**	**	ns	ns	-

ns = not statistically significant; ** = statistically significant at 0.05

Table 48. Total catch of smallmouth bass from designated stations on the Kankakee River in the Braidwood Station aquatic monitoring area, 1978-1989.

1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989
242	249	176	100	185	225	658	225	221	1297	625

Table 49. One-way ANOVA by year, without replication, of the square root of total abundance of smallmouth bass collected in the Kankakee River and Horse Creek during August 1978-1989. N = 121.

Source	df	ssq	msq	Fs	P
Year	10	2719.963	271.996	8.368	>0.001
Error	110	3575.561			
Total	120	6295.524			

Table 50. SNK for mean abundance of smallmouth bass collected in the Kankakee River and Horse Creek by year, 1978-1989. Means in parentheses. N = 11.

	1982 (2.719)	1981 (3.564)	1983 (3.763)	1987 (4.208)	1978 (4.216)	1984 (4.285)	1979 (4.300)	1986 (4.311)	1989 (7.092)	1985 (7.454)	1988 (10.771)
1982	-										
1981	**	-									
1983	**	ns	-								
1987	**	ns	ns	-							
1978	**	ns	ns	ns	-						
1984	**	ns	ns	ns	ns	-					
1979	**	ns	ns	ns	ns	ns	-				
1986	**	ns	ns	ns	ns	ns	ns	-			
1989	**	**	**	**	**	**	**	**	-		
1985	**	**	**	**	**	**	**	**	ns	-	
1988	**	**	**	**	**	**	**	**	**	**	-

ns = not statistically significant; ** = statistically significant at 0.05.

Table 51. One-way ANOVA by station, without replication, of the square root of total abundance of smallmouth bass collected in the Kankakee River and Horse Creek during August 1978-1989. N = 121.

Source	df	ssq	msq	Fs	P
Station	10	2051.718	205.172	5.318	>0.001
Error	110	42343.806	38.580		
Total	120	6295.524			

Table 52. SNK for mean abundance of smallmouth bass collected in the Kankakee River and Horse Creek by station, 1978-1989. Means in parentheses. N = 10.

	5R (3.625)	3R (3.776)	6R (3.846)	1R (4.119)	4R (4.292)	4L (4.471)	5L (5.067)	3L (5.245)	2 (6.600)	6L (7.760)	1L (7.817)
5R	-										
3R	ns	-									
6R	ns	ns	-								
1R	ns	ns	ns	-							
4R	ns	ns	ns	ns	-						
4L	ns	ns	ns	ns	ns	-					
5L	ns	ns	ns	ns	ns	ns	-				
3L	ns	ns	ns	ns	ns	ns	ns	-			
2	**	**	**	**	**	**	**	**	-		
6L	**	**	**	**	**	**	**	**	ns	-	
1L	**	**	**	**	**	**	**	**	ns	ns	-

ns = not statistically significant; ** = statistically significant at 0.05

Appendix A-1. Ancillary measurements taken concurrently with electrofishing samples from the Kankakee River and Horse Creek, 1 August 1989. Air temperature is measured in °C; water velocity in cm/sec; turbidity in N.T.U.; conductivity in µmhos/cm; depth in m; and dissolved oxygen in ppm. Discharge was 2940 cfs.

Parameter	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R
Time	0701	0642	1353	0753	0736	0934	0917	1010	0958	1200	1145
Air temperature	21.0	21.0	31.0	22.0	21.5	24.5	24.0	25.0	24.0	30.0	29.0
Water velocity	12	6	9	15	0	4	7	1	5	1	4
pH	8.1	8.2	7.9	8.1	8.1	8.1	8.2	8.1	8.1	8.1	8.1
Turbidity	40.0	46.5	36.5	38.5	35.0	31.0	33.0	46.5	37.0	35.5	27.0
Conductivity	630	650	650	650	650	650	650	660	720	680	700

Depth	Temp. F.O.		Temp. D.O.		Temp. G.O.		Temp. D.O.		Temp. D.O.		Temp. D.O.		Temp. D.O.		Temp. D.O.		Temp. D.O.		Temp. D.O.	
0	22.0	6.5	22.0	6.8	23.5	7.5	22.0	6.5	22.0	6.3	22.0	6.4	24.0	6.9	24.0	7.4	23.0	7.8	24.0	6.9
0.5	22.0	6.3	22.0	6.8	23.5	7.4	22.0	6.4	22.0	6.0	22.0	6.3	23.0	6.8	22.5	7.1	23.0	7.7	23.5	6.5
1.0			22.0	6.8	23.0	7.6	22.0	6.4	22.0	6.5	22.0	6.2	23.0	6.6			22.5	7.4		22.5
1.5			22.0	6.7	23.0	6.9			22.0	6.5							22.5	7.2		22.5
2.0			22.0	6.5					21.5	6.4										

Appendix A-2. Ancillary measurements taken concurrently with electrofishing samples from the Kankakee River and Horse Creek, 4 August 1989. Air temperature is measured in °C; water velocity in cm/sec; turbidity in N.T.U.; conductivity in µmhos/cm; depth in m; and dissolved oxygen in ppm. Discharge was 2580 cfs.

Parameter	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R
Time	0704	0650	1339	0840	0813	0930	0915	1026	1011	1210	1154
Air temperature	27.0	27.0	30.0	26.0	27.0	28.5	28.0	30.0	30.0	31.0	30.5
Water velocity	4	12	0	11	7	0	8	7	3	0	0
pH	8.3	8.2	8.1	8.1	8.2	8.2	8.3	8.2	8.4	8.3	8.3
Turbidity	35.0	42.0	8.5	24.0	34.0	30.5	33.0	35.0	43.0	32.0	25.0
Conductivity	710	710	780	710	710	710	850	710	910	730	760

Depth	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.					
0	25.0	11.9	25.0	10.0	24.0	6.9	25.0	8.0	25.0	11.0	25.0	7.0	26.0	7.6	26.0	7.8
0.5	25.0	11.8	25.0	9.7	24.0	7.1	25.0	8.0	25.0	10.5	25.0	6.9	26.0	7.2	25.0	6.8
1.0	25.0	11.4	25.0	9.7	23.0	6.5	25.0	7.8	25.0	11.5	25.0	7.0	25.5	6.6	25.0	6.3
1.5																
2.0																

Appendix A-3. Ancillary measurements taken concurrently with electrofishing samples from the Kankakee River and Horse Creek, 7 August 1989. Air temperature is measured in °C; water velocity in cm/sec; turbidity in N.T.U.; conductivity in µmhos/cm; depth in m, and dissolved oxygen in ppm. Discharge was 2210 cfs.

Parameter	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R											
Time	0700	0640	1328	0813	0749	0943	0918	1030	1014	1211	1157											
Air temperature	15.5	15.5	24.5	17.0	17.0	23.0	22.5	23.0	22.5	23.0	22.5											
Water velocity	9	1	0	10	1	0	7	2	0	0	0											
pH	8.3	8.4	8.0	9.4	8.2	8.3	8.5	8.3	8.4	8.1	8.4											
Turbidity	40.0	40.0	17.5	40.0	26.5	38.0	30.0	66.0	55.0	29.5	42.0											
Conductivity	680	650	690	680	680	670	750	680	740	700	700											
Depth	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.											
0	20.5	8.3	20.5	8.1	20.5	10.0	19.0	8.5	19.5	8.2	20.0	8.4	23.0	8.1	21.5	8.8	22.5	9.1	22.0	8.7		
0.5	20.5	8.3	20.5	8.1	19.5	9.4	19.0	8.3	19.0	9.2	20.0	8.5	22.0	8.1	21.0	8.8	22.0	8.3	21.5	9.0	22.0	8.5
1.0	1.0		20.5	8.7	19.0	8.1	19.0	8.1	19.0	8.7			21.0	8.2							21.0	8.2
1.5			20.5	9.0																	21.0	7.9

Appendix A-4. Ancillary measurements taken concurrently with electrofishing samples from the Kankakee River and Horse Creek, 10 August 1989. Air temperature is measured in °C; water velocity in cm/sec; turbidity in N.T.U.; conductivity in µmho/cm; depth in m; and dissolved oxygen in ppm. Discharge was 1900 cfs.

Parameter	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	5R								
Time	0656	0642	1404	0802	0745	0920	0900	1036	1017	1223	1212								
Air temperature	19.0	18.0	28.0	20.0	19.5	23.0	23.0	26.0	25.0	28.0	27.0								
Water velocity	5	4	0	6	1	2	3	0	0	0	4								
pH	8.4	8.4	8.2	8.3	8.25	8.32	8.1	8.4	8.4	8.1	8.4								
Turbidity	35.0	35.5	20.0	32.0	25.0	26.0	24.0	20.0	25.0	23.5	22.0								
Conductivity	690	650	700	690	680	670	910	700	730	700	710								
Depth	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.								
0	22.0	8.6	22.0	8.3	23.0	8.3	22.0	10.9	21.0	8.2	22.5	9.1	24.0	8.4	25.0	9.5			
0.5	22.0	8.4	22.0	8.2	21.5	8.2	22.0	10.8	20.0	7.8	22.0	8.6	24.0	8.3	23.0	8.8	23.0	9.1	
1.0		22.0	8.0	20.0	8.2				22.0	8.3	24.0	7.5		23.0	8.2	22.5	8.8	22.5	8.6
1.5		22.0	8.0													22.5	8.7		

Appendix B-1. Ancillary measurements taken concurrently with seine samples from the Kankakee River and Horse Creek, 31 July 1989. Air temperature is measured in °C; water velocity in cm/sec; turbidity in N.T.U.; conductivity in µmhos/cm; depth in m; and dissolved oxygen in ppm. Discharge was 3050 cfs.

Parameter	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R
Time	1020	0950	1415	1108	1049	1145	1125	1236	1207	1340	1320
Air temperature	22.0	25.0	22.0	22.0	22.0	23.0	22.0	23.0	22.0	22.0	22.0
Water velocity	2	4	4	2	2	1	2	1	2	1	3
pH	8.0	8.0	8.1	8.1	8.2	8.2	8.4	8.1	8.3	8.2	8.3
Turbidity	44.0	35.0	13.5	33.0	35.0	30.0	27.0	45.0	32.0	36.0	33.0
Conductivity	710	710	720	710	710	710	920	710	780	710	730

Depth	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.					
0	23.0	6.3	23.0	6.3	23.5	7.2	23.0	6.0	25.0	6.1	23.0	6.7	23.5	6.1	23.0	6.5
0.5	23.0	5.7	23.0	6.2	21.0	7.1	23.0	6.1	23.0	7.0	23.0	5.7	25.5	6.0	23.5	6.3
1.0			23.0	5.9			23.0	6.2					24.0	6.4	23.5	6.1
1.5													24.0	5.2	23.0	6.3

Appendix B-2. Ancillary measurements taken concurrently with seine samples from the Kankakee River and Horse Creek, 8 August 1989. Air temperature is measured in °C; water velocity in cm/sec; turbidity in N.T.U.; conductivity in µmhos/cm; depth in m; and dissolved oxygen in ppm. Discharge was 2020cfs.

Parameter	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R
Time	0945	0925	1322	1029	1012	1105	1045	1147	1127	1250	1230
Air temperature	23.0	22.0	26.5	23.0	25.0	24.0	24.0	27.0	26.0	25.0	27.0
Water velocity	0	3	0	1	0	0	1	0	0	0	1
pH	30.0	46.0	11.0	31.0	49.0	27.5	33.5	54.5	71.0	31.5	31.5
Conductivity	680	680	700	690	690	680	930	700	720	700	720

Depth	Temp. D.O.		Temp. D.O.		Temp. D.O.		Temp. D.O.		Temp. D.O.		Temp. D.O.		Temp. D.O.		Temp. D.O.	
0	21.0	7.8	21.0	8.5	19.5	8.4	21.0	9.1	21.0	8.4	21.0	8.6	24.0	7.7	24.0	9.4
0.5	20.5	7.8	20.5	8.3	18.5	8.2	21.0	8.6	21.0	8.3	21.0	8.2	23.5	7.6	22.0	9.0
1.0	20.5	7.8											23.5	7.6	22.0	8.7
1.5													23.0	7.4		

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING JULY/AUGUST 1989.

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	XTL
1L	A	08 01 89	LONGROSE GAR	1	458	155.00	0.15
			CLIZZARD SHAD	1	211	100.00	1.06
			CARP	1	383	640.00	1.14
				2	319	490.00	1.39
				3	431	990.00	1.24
				4	297	350.00	1.41
				5	273	320.00	1.57
				6	334	510.00	1.37
				7	293	400.00	1.59
			STRIPED SHINER	1	80	5.38	1.09
				2	75	4.42	1.05
				3	81	5.75	1.08
				4	74	4.63	1.14
				5	73	5.15	1.13
			SAND SHINER	1	56	1.65	0.94
				2	45	1.22	1.34
			BLUNTNOSE MINNOW	1	65	3.10	1.13
				2	68	3.34	1.06
				3	63	2.90	1.16
			SILVER REDHORSE	1	167	55.00	1.18
				2	151	32.00	0.91
			RIVER REDHORSE	1	642	2721.00	1.03
			GOLDEN REDHORSE	1	342	400.00	1.00
				2	152	40.00	1.14
				3	336	440.00	1.16
				4	121	17.00	0.96
			SHORTHEAD REDHORSE	1	96	8.84	1.00
			SPOOK SILVERSIDE	1	88	3.53	0.52
				2	39	0.78	1.31
			ROCK BASS	1	204	188.00	2.21
				2	241	345.00	2.46
				3	170	105.00	2.14
				4	222	240.00	2.19
				5	142	46.00	1.61
				6	91	12.00	1.59
			GREEN SUNFISH	1	78	10.84	2.28
				2	66	6.41	2.23
				3	60	4.74	2.19
				4	53	3.59	2.41
				5	77	8.86	1.94
			BLUEDILL	1	112	28.00	1.99
			LONGEAR SUNFISH	2	101	20.00	1.94
				3	121	34.00	1.62
				4	105	23.00	1.99
				5	113	28.00	1.94
				6	76	9.00	2.05
				7	96	16.00	2.03
				8	103	21.00	1.92
				9	85	10.00	1.63
				10	102	21.00	1.98
				11	90	13.00	1.78
				12	128	45.00	2.15
				13	85	10.00	1.63
				14	119	35.00	2.08
				15	110	25.00	1.88
				16	105	23.00	1.99
				17	77	10.00	2.19
				18	101	20.00	1.94
				19	67	6.00	1.99
				20	78	11.15	2.35
				21	72	9.05	2.42
				22	82	12.44	2.26
				23	75	9.70	2.30
				24	96	21.03	2.38
				25	78	12.22	2.58
				26	81	11.93	2.24
				27	60	4.91	2.27
				28	70	8.10	2.36
				29	72	8.21	2.20
				30	67	7.23	2.40
				31	70	7.39	2.15
				32	71	8.22	2.30
				33	62	5.50	2.31
				34	85	13.84	2.25
				35	84	6.45	2.46
				36	60	5.22	2.42
				37	60	4.52	2.09
				38	63	5.40	2.16
				39	62	5.47	2.30
				40	57	4.26	2.30
				41	54	3.37	2.14
				42	58	4.63	2.37
				43	60	5.36	2.48
				44	60	5.13	2.37
				45	61	5.00	2.20
				46	54	3.37	2.14
				47	55	3.60	2.16
				48	48	2.38	2.42
			SMALLMOUTH BASS	1	128	430.00	1.22
				2	230	155.00	1.27
				3	192	85.00	1.20
				4	164	40.00	0.91
				5	184	57.00	0.92
				6	182	60.00	1.00
				7	167	46.00	0.99
				8	172	55.00	1.05
				9	180	63.00	1.06
				10	155	40.00	1.07
				11	146	30.00	0.96
				12	149	34.00	1.03
				13	96	9.00	1.08
				14	98	8.00	0.90
				15	110	13.00	0.98
				16	102	8.00	0.75
				17	116	16.00	1.03
				18	98	9.00	0.96
				19	98	10.00	1.06
				20	100	8.00	0.80

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1969 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	MTL
TL	A	08 01 89	SMALLMOUTH BASS	21	97	8.00	0.88
				22	110	15.28	1.15
				23	82	7.73	1.40
				24	103	13.38	1.22
				25	92	9.11	1.17
				26	97	11.00	1.21
				27	93	9.66	1.20
				28	90	8.57	1.18
				29	94	9.85	1.04
				30	89	8.91	1.26
				31	87	7.70	1.17
				32	80	6.35	1.24
				33	88	6.81	1.00
				34	93	8.94	1.11
			BANDIED DARTER LOGPERCH	5	79	6.18	1.25
				1	47	1.41	1.36
			SLENDERHEAD DARTER	1	102	9.77	0.92
				2	90	6.54	0.90
				3	93	7.03	0.87
				1	62	2.64	1.11
				2	67	3.45	1.15
				3	66	3.32	1.15
				4	67	3.44	1.14
				5	68	3.90	1.11
				6	63	2.55	1.02
				7	60	2.20	1.02
B	08 04 89	LONGROSE GAR	GIZZARD SHAD	1	460	121.00	0.12
				2	424	105.00	0.14
		CARP	STRIPED SHINER	1	196	72.00	0.96
				2	282	155.00	0.69
				3	177	41.00	0.78
				4	206	78.00	0.69
		BLUNTROSE MINNOW	BULLHEAD MINNOW	1	420	970.00	1.11
				2	289	400.00	1.66
				3	305	585.00	2.06
				1	96	8.01	0.91
		GOLDEN REDHORSE	SHORTHEAD REDHORSE	2	86	5.66	0.69
				1	60	2.13	0.99
				2	59	3.01	0.92
				3	86	3.05	1.06
		CHANNEL CATFISH	ROCK BASS	4	62	2.64	1.11
				5	67	3.10	1.03
				6	56	2.00	1.14
				7	65	3.07	1.12
		LONGEAR SUNFISH	SMALLMOUTH BASS	1	51	1.45	1.09
				1	130	23.00	1.05
				2	136	21.00	0.83
				3	114	15.00	1.01
		SHORLHEAD REDHORSE	CHANNEL CATFISH	4	51	17.00	0.96
				5	127	19.00	0.91
				6	127	20.00	0.98
				7	131	22.00	0.98
		GREEN SUNFISH	LONGEAR SUNFISH	8	105	14.89	1.20
				1	275	210.00	1.01
				2	329	320.00	1.11
				1	521	1420.00	1.11
		SMALLMOUTH BASS	CHANNEL CATFISH	1	226	231.00	2.00
				2	222	204.00	1.86
				3	200	147.00	1.84
				4	82	9.00	1.63
		SMALLMOUTH BASS	CHANNEL CATFISH	1	70	7.54	2.20
				1	117	32.00	2.00
				2	118	31.00	1.89
				3	77	8.00	1.75
		SMALLMOUTH BASS	CHANNEL CATFISH	4	86	11.00	1.73
				5	102	20.00	1.88
				6	87	13.00	1.97
				7	113	28.00	1.94
		SMALLMOUTH BASS	CHANNEL CATFISH	8	124	30.00	1.87
				9	102	18.00	1.70
				10	105	24.00	2.07
				11	92	14.00	1.80
		SMALLMOUTH BASS	CHANNEL CATFISH	12	84	11.00	1.66
				13	70	7.05	2.06
				14	74	9.11	2.25
				15	51	2.52	1.90
		SMALLMOUTH BASS	CHANNEL CATFISH	16	55	1.84	2.19
				1	310	262.00	0.88
				2	282	213.00	1.04
				3	245	161.00	1.11
		SMALLMOUTH BASS	CHANNEL CATFISH	4	154	38.00	0.99
				5	107	10.00	0.82
				6	103	9.03	0.82
				7	95	8.00	0.93
		SMALLMOUTH BASS	CHANNEL CATFISH	8	187	64.00	0.98
				9	175	51.00	0.95
				10	95	8.00	0.93
				11	108	13.00	1.03
		SMALLMOUTH BASS	CHANNEL CATFISH	12	100	7.00	0.70
				13	95	10.00	1.17
				14	189	88.00	1.10
				15	95	8.00	0.93
		SMALLMOUTH BASS	CHANNEL CATFISH	16	99	6.00	0.62
				17	81	5.00	0.94
				18	102	11.00	1.04
				19	103	11.00	1.01
		SMALLMOUTH BASS	CHANNEL CATFISH	20	149	33.00	1.00
				21	186	50.00	0.78
				22	107	12.00	0.98
				23	97	6.00	0.88
		SMALLMOUTH BASS	CHANNEL CATFISH	24	130	31.94	1.45
				25	34	0.75	1.91
				1	100	8.67	0.87
				2	86	6.03	0.95
		SMALLMOUTH BASS	CHANNEL CATFISH	3	52	1.40	1.00
				1	75	4.40	1.04
C	08 07 89	LONGROSE GAR	GIZZARD SHAD	1	444	134.00	0.15
				1	224	83.00	0.74

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	RTL
1L	C	08 07 89	GIZZARD SHAJ STRIPED SHINER	2	191	62.00	0.89
				1	87	5.77	0.88
				2	75	3.83	0.91
				3	80	5.13	1.00
				4	77	4.60	1.01
				5	85	5.46	0.89
				6	80	5.18	1.01
				7	66	2.86	0.99
			ROSYFACE SHINER	8	100	10.87	1.09
				1	62	1.65	0.69
				2	62	2.03	0.85
				3	48	0.87	0.79
			SPOTFIN SHINER	4	47	0.75	0.72
				5	43	0.34	0.43
				1	69	3.86	1.18
				2	55	1.68	1.01
			MIMIC SHINER BLURNOSE MINNOW	3	51	1.37	1.03
				4	55	0.87	0.52
				1	47	0.91	0.88
				7	76	3.16	0.72
			BULLHEAD MINNOW GOLDEN REDHORSE	2	65	2.68	0.98
				3	71	3.17	0.89
				4	65	3.04	1.11
				5	50	1.15	0.92
			SHORTHEAD REDHORSE	1	55	1.66	1.00
				1	138	25.00	0.95
				2	132	22.00	0.96
				3	118	16.00	0.97
			YELLOW BULLHEAD BROOK SILVERSIDE	4	124	16.00	0.90
				5	124	21.00	1.10
				6	124	21.00	1.10
				7	130	23.00	1.05
			ROCK BASS	8	116	17.00	1.09
				9	120	19.00	1.10
				10	120	16.00	0.93
				11	110	14.00	1.05
			GREEN SUNFISH	12	140	27.00	0.96
				13	114	15.00	1.01
				1	249	138.00	0.89
				2	107	13.00	1.06
			BLUEGILL LONGEAR SUNFISH	1	160	49.00	1.20
				1	42	0.42	0.57
				2	42	0.42	0.57
				3	43	0.45	0.57
			SMALLMOUTH BASS	1	195	156.00	2.10
				2	134	21.00	0.87
				3	147	56.00	1.76
				4	169	141.00	2.09
			SHORLEAD REDHORSE	5	77	8.00	1.75
				6	80	9.00	1.76
				7	67	6.42	2.13
				1	75	9.09	2.15
			YELLOW BULLHEAD BROOK SILVERSIDE	2	68	5.87	2.18
				3	53	2.99	2.01
				1	62	4.42	1.85
				1	123	34.00	1.83
			BLUEGILL LONGEAR SUNFISH	2	99	21.00	2.16
				3	114	33.00	2.23
				4	107	29.00	2.37
				5	91	5.00	0.66
			SMALLMOUTH BASS	6	96	14.00	1.58
				7	40	10.00	1.95
				8	66	5.00	1.95
				9	77	10.00	2.19
			SMALLMOUTH BASS	10	86	11.00	1.73
				11	75	7.00	1.66
				12	77	9.00	1.97
				13	64	5.00	1.91
			SMALLMOUTH BASS	14	73	7.00	1.80
				15	70	5.00	1.46
				16	68	5.00	1.59
				17	61	4.99	2.20
			SMALLMOUTH BASS	18	63	5.12	2.05
				19	56	3.83	2.07
				20	50	2.48	1.98
				21	53	1.00	2.02
			SMALLMOUTH BASS	22	52	3.05	2.17
				23	47	2.31	2.22
				24	50	2.65	2.12
			SMALLMOUTH BASS	1	182	57.00	0.95
				2	197	85.00	0.85
				3	136	23.00	0.91
				4	150	39.00	1.16
			SMALLMOUTH BASS	5	130	21.00	0.92
				6	101	10.00	0.97
				7	101	11.00	1.07
				8	131	22.00	0.98
			SMALLMOUTH BASS	9	90	5.00	0.69
				10	100	8.00	0.80
				11	198	60.00	0.77
				12	185	65.00	1.03
			SMALLMOUTH BASS	13	116	16.00	1.03
				14	114	14.60	0.94
				15	106	10.00	0.84
				16	100	10.00	1.00
			SMALLMOUTH BASS	17	85	5.00	0.81
				18	89	8.00	1.13
				19	82	5.00	0.91
				20	77	5.00	1.10
			SMALLMOUTH BASS	21	231	140.00	1.14
				22	126	18.00	0.90
				23	106	10.00	0.84
				24	95	9.00	0.93
			SMALLMOUTH BASS	25	101	10.00	0.97
				26	126	18.00	0.90
				27	94	8.00	0.96
				28	95	9.00	1.05
				29	85	7.00	1.14

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	MTL
1L	C	08 07 89	SMALLMOUTH BASS	30	93	9.00	1.12
				31	99	9.00	0.93
				32	96	9.00	1.02
				33	90	8.00	1.10
				34	187	71.00	1.12
				35	98	9.00	0.96
				36	114	15.00	1.01
				37	105	12.00	1.04
				38	102	11.00	1.04
				39	107	12.00	0.98
				40	38	0.72	1.31
			LOOPERCH	1	92	5.91	0.76
			LONGNOSE GAR	1	456	133.00	0.14
				2	453	128.00	0.14
			HORNHEAD CHUB	1	61	6.53	1.23
			SPOTTIA SHINER	1	45	0.79	0.87
			NORTHERN HOGSUCKER	1	180	57.00	0.98
			SILVER REDHORSE	1	170	53.00	1.08
			GOLDEN REDHORSE	1	405	71.00	0.11
				2	356	495.00	1.10
				3	333	430.00	1.16
				4	323	350.00	1.04
				5	421	770.00	1.03
				6	135	25.00	1.02
				7	108	13.00	1.03
				8	131	22.00	0.96
				9	125	18.00	0.92
				10	120	16.00	0.93
				11	120	16.00	0.93
				12	122	19.00	1.05
				13	116	15.00	0.96
				14	120	16.00	0.91
				15	107	12.00	0.98
				16	113	20.00	1.39
			SHORTHEAD REDHORSE	1	254	163.00	0.99
				2	161	64.00	1.05
				3	112	12.00	0.85
				4	117	14.00	0.87
			BROOK SILVERSIDE	1	47	0.49	0.47
				2	36	0.23	0.49
			ROCK BASS	1	224	254.00	2.26
				2	232	248.00	1.99
				3	192	144.00	2.03
				4	220	225.00	2.14
				5	209	178.00	1.95
				6	182	120.00	1.99
				7	205	180.00	2.09
			BLUEGILL	1	78	6.00	1.26
				2	75	6.00	1.42
				3	75	7.00	1.66
				4	66	4.00	1.39
			LONGEAR SUNFISH	1	137	62.00	2.41
				2	95	17.00	1.98
				3	78	8.00	1.69
				4	67	3.00	1.68
				5	69	12.00	1.70
				6	70	7.00	2.04
				7	93	13.00	1.43
				8	104	21.00	1.67
				9	100	17.00	1.70
				10	85	10.00	1.63
				11	72	5.00	1.34
				12	131	42.00	1.87
				13	121	34.00	1.92
				14	86	13.00	2.04
				15	66	5.00	1.74
				16	52	2.91	2.07
			SMALLMOUTH BASS	1	375	680.00	1.29
				2	163	44.00	1.02
				3	116	15.00	0.96
				4	125	18.00	0.90
				5	185	68.00	1.07
				6	116	14.00	0.90
				7	124	20.00	1.05
				8	101	10.00	0.97
				9	256	210.00	1.12
				10	192	78.00	1.10
				11	148	34.00	1.05
				12	105	10.00	0.86
				13	121	16.00	0.90
				14	132	20.00	0.87
				15	157	11.00	0.90
				16	101	8.00	0.78
				17	97	8.00	0.88
				18	110	11.00	0.83
				19	98	8.00	0.85
				20	139	26.00	0.97
				21	107	12.00	0.98
				22	101	9.00	0.87
				23	104	10.00	0.89
				24	96	8.00	0.90
			LARGEMOUTH BASS	1	56	2.08	1.18
			BLACKSIDE DARTER	1	68	2.80	0.89
			GIZZARD SHAD	1	203	75.00	0.90
				2	195	67.00	0.90
				3	176	50.00	0.92
			GRASS F OKECEL	1	104	4.00	0.36
			STRIPED SHINER	1	110	15.00	1.13
				1	86	6.47	1.02
			ROSYFACE SHINER	1	68	2.36	0.75
			BLUNTNOSE MINNOW	1	67	3.04	1.01
			BULLHEAD MINNOW	1	47	1.68	1.62
			QUILLBACK	1	370	610.00	1.20
				2	347	470.00	1.12
				1	137	27.00	1.05
			SILVER REDHORSE	2	154	38.00	1.04
			RIVER REDHORSE	1	390	630.00	1.06
			GOLDEN REDHORSE	1	312	320.00	1.05

APPENDIX D-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	MTL
1R	A	08 01 89	GOLDEN REDHORSE	2	400	660.00	1.03
				3	372	570.00	1.11
				4	412	720.00	1.03
				5	145	29.00	0.95
				6	201	250.00	1.01
				7	153	35.00	0.98
				8	115	15.00	0.99
				9	154	32.00	0.88
				10	117	17.00	1.06
				11	124	20.00	1.05
				12	117	15.00	0.94
				13	112	15.00	1.07
			SHOULDER REDHORSE	1	392	630.00	1.05
			ROCK BASS	1	95	18.00	2.10
				2	93	12.00	1.49
				3	123	31.00	1.67
				4	117	30.00	1.87
			GREEN SUNFISH	5	95	16.00	1.87
				6	92	12.00	1.54
				7	82	7.00	1.27
				8	93	32.00	1.49
				9	82	9.00	1.63
				10	90	12.00	1.85
				11	84	11.00	1.86
				12	86	11.00	1.73
				13	102	17.00	1.60
				14	92	16.67	2.14
				15	90	15.44	2.12
				16	74	9.05	2.23
				17	82	11.32	2.05
				1	65	5.44	1.84
				2	60	4.49	2.08
				3	58	4.62	2.37
			BLUEGILL	4	62	5.53	2.32
				5	55	3.99	2.40
				1	188	10.00	0.15
				1	122	38.00	2.09
				2	121	42.00	2.37
				3	71	6.00	1.68
				4	100	9.00	0.90
				5	107	22.00	1.80
				6	100	22.00	2.20
				7	109	27.00	2.04
				8	110	26.00	1.95
				9	70	7.81	2.28
				10	51	2.36	1.78
				11	75	9.03	2.14
				12	75	9.27	2.20
				13	90	19.11	2.62
			LONGEAR SUNFISH	14	69	7.34	2.23
				15	84	12.45	2.10
				16	70	7.73	2.25
				17	70	7.49	2.18
				18	69	7.05	2.15
				19	64	5.19	2.06
				20	67	6.26	2.08
				21	65	5.90	2.15
				22	61	4.47	1.97
				23	58	3.93	2.01
				24	53	3.15	2.12
				25	52	2.56	1.82
				26	50	2.22	1.78
				1	100	5.00	0.50
				2	101	10.00	0.97
				3	116	11.00	0.70
				4	117	12.00	0.75
			SMALLMOUTH BASS	5	115	10.00	0.66
				6	104	10.00	0.89
				7	112	13.00	0.93
				8	110	13.00	0.98
				9	97	11.45	1.25
				10	94	10.68	1.29
				11	92	7.99	1.03
				1	58	2.09	1.07
				1	90	6.38	0.87
				1	71	3.52	0.98
				1	206	81.00	0.93
				1	111	6.00	0.44
				1	440	1090.00	1.28
				1	122	16.00	0.88
				1	81	5.42	1.02
				2	75	3.77	0.89
				3	74	3.53	0.87
			JOHNNY DARTER	1	62	2.06	0.86
				2	60	2.10	0.87
				1	58	1.84	0.94
				1	228	126.00	1.08
				1	151	38.00	1.10
				2	145	32.00	1.05
				3	152	39.00	1.11
				1	296	360.00	1.29
				2	131	24.00	1.07
				3	121	16.00	0.90
				4	121	16.00	0.90
				5	136	25.00	0.99
				6	124	19.00	1.00
				7	121	16.00	0.90
				8	120	16.00	0.93
				9	295	260.00	1.01
				10	116	14.00	0.90
			NORTHERN HOGSUCKER	1	182	80.00	1.33
				1	195	124.00	1.67
				2	85	12.00	1.89
				3	90	14.00	1.92
				4	75	6.00	1.90
				5	87	11.00	1.67
				6	88	12.00	1.76
				7	75	6.00	1.42
				1	182	80.00	1.33
				1	195	124.00	1.67
				2	85	12.00	1.89
				3	90	14.00	1.92
				4	75	6.00	1.90
				5	87	11.00	1.67
				6	88	12.00	1.76
				7	75	6.00	1.42
				1	182	80.00	1.33
				1	195	124.00	1.67
				2	85	12.00	1.89
				3	90	14.00	1.92
				4	75	6.00	1.90
				5	87	11.00	1.67
				6	88	12.00	1.76
				7	75	6.00	1.42
			YELLOW BULLHEAD	1	182	80.00	1.33
				1	195	124.00	1.67
				2	85	12.00	1.89
				3	90	14.00	1.92
				4	75	6.00	1.90
				5	87	11.00	1.67
				6	88	12.00	1.76
				7	75	6.00	1.42
				1	182	80.00	1.33
				1	195	124.00	1.67
				2	85	12.00	1.89
				3	90	14.00	1.92
				4	75	6.00	1.90
				5	87	11.00	1.67
				6	88	12.00	1.76
				7	75	6.00	1.42
				1	182	80.00	1.33
				1	195	124.00	1.67
				2	85	12.00	1.89
				3	90	14.00	1.92
				4	75	6.00	1.90
				5	87	11.00	1.67
				6	88	12.00	1.76
				7	75	6.00	1.42

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	MTL
1R	B	06 04 89	GREEN SUNFISH	1	113	24.00	1.66
				2	71	6.00	1.66
			BLUEGILL	1	94	14.00	1.69
			LONGEAR SUNFISH	1	135	50.00	2.03
				2	115	35.00	2.30
				3	108	24.00	1.91
				4	119	38.00	2.25
				5	86	13.00	1.91
				6	124	42.00	2.20
				7	115	36.00	2.37
				8	107	28.00	2.29
				9	106	22.00	1.85
				10	95	18.00	2.10
				11	90	15.00	2.06
				12	72	7.00	1.88
				13	103	25.00	2.29
				14	76	9.00	2.05
				15	73	7.00	1.80
				16	80	10.00	1.95
				17	59	3.00	1.46
				18	61	4.60	2.01
			SHALLMOUTH BASS	19	60	4.51	2.09
				20	55	3.21	1.93
				21	52	2.70	1.92
				1	333	670.00	1.27
				2	347	590.00	1.41
				3	246	90.00	0.60
				4	105	10.00	0.86
				5	114	14.00	0.94
				6	85	8.00	0.93
				7	96	6.00	0.68
				8	101	10.00	0.97
				9	118	17.00	1.03
				10	81	5.00	0.94
				11	91	6.84	1.17
				12	86	6.15	1.28
				13	97	10.56	1.16
				14	92	9.49	1.27
				15	100	10.68	1.07
C	06 07 89		SLENDERHEAD DARTER	1	65	2.31	0.84
			GRASS PICKEREL	1	106	5.00	0.42
			STRIPED SHiner	1	98	4.83	0.94
			BLUNTHOSE MINNOW	1	57	1.92	1.04
				2	61	2.11	0.93
			BULLHEAD MINNOW	1	53	1.43	0.96
			QUILLBACK	1	316	329.00	1.04
			SILVER REDHORSE	1	139	27.00	1.01
			GOLDEN REDHORSE	1	296	330.00	1.27
				2	205	174.00	0.94
				3	123	17.00	0.91
				4	125	21.00	1.18
				5	121	18.00	1.02
				6	117	16.00	1.00
				7	136	23.00	0.91
			SHORTHEAD REDHORSE	1	338	324.00	0.84
			YELLOW BULLHEAD	1	158	46.00	1.22
			BROOK SILVERSIDE	1	73	1.95	0.50
			ROCK BASS	1	196	17.00	0.23
				2	72	6.00	1.61
			GREEN SUNFISH	1	76	6.00	1.37
				2	62	5.04	2.11
				3	54	3.54	2.28
			BLUEGILL	1	80	9.00	1.76
				2	67	5.00	1.65
				3	75	4.00	0.95
			LONGEAR SUNFISH	1	107	26.00	2.12
				2	88	13.00	1.97
				3	97	18.00	1.97
				4	105	25.00	2.16
				5	118	34.00	2.07
				6	107	24.00	1.94
				7	78	9.00	1.90
				8	100	20.00	2.00
				9	84	12.00	2.02
				10	102	22.00	2.07
				11	123	35.00	1.88
				12	78	9.00	1.90
				13	105	21.00	1.61
				14	70	1.00	2.04
				15	76	5.00	1.34
				16	66	4.00	1.39
				17	67	5.00	1.66
				18	70	4.00	1.17
			SHALLMOUTH BASS	19	72	5.00	1.34
				20	67	5.00	1.66
				21	54	3.18	2.02
				22	55	3.18	2.03
				23	53	3.17	2.13
				24	48	2.33	2.11
				25	53	2.85	1.91
				26	54	1.02	1.92
				27	51	2.68	2.02
				28	50	2.41	1.93
				29	49	2.06	1.75
				1	202	90.00	1.09
				2	103	14.00	1.26
				3	89	8.00	1.13
				4	111	16.00	1.02
				5	141	23.00	0.82
				6	111	13.00	0.95
				7	104	10.00	0.89
				8	106	11.00	0.92
				9	132	20.00	0.87
				10	85	6.00	0.98
				11	100	9.00	0.90
				12	90	6.00	0.82
				13	95	7.00	0.82
				14	86	7.00	1.10

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	MTL
1R	C	08 07 89	LARGEMOUTH BASS	1	74	5.25	1.30
				2	68	4.14	1.44
				3	55	2.02	1.21
				4	148	17.00	0.52
				5	98	5.41	0.57
			D 08 10 89 GRASS PICKEREL	1	435	910.00	1.11
				2	420	970.00	1.31
				3	70	3.82	1.11
				4	63	2.51	1.00
				5	161	27.00	0.65
				6	132	25.00	1.09
				7	151	39.00	1.13
				8	187	65.00	0.11
				9	382	500.00	0.90
				10	300	280.00	1.04
				11	121	20.00	1.13
				12	115	15.00	0.99
				13	110	15.00	1.13
				14	125	20.00	1.02
				15	127	22.00	1.07
				16	260	190.00	1.08
				17	89	16.00	2.27
				18	70	7.48	2.18
				19	81	10.00	1.86
				20	80	8.00	1.56
				21	78	7.00	1.48
				22	111	29.00	2.12
				23	102	19.00	1.79
				24	106	21.00	1.93
				25	77	10.00	2.19
				26	131	44.00	1.96
				27	116	33.00	2.11
				28	81	12.00	1.82
				29	70	9.00	2.62
				30	78	9.00	1.90
				31	108	25.00	1.98
				32	102	24.00	2.26
				33	77	9.00	1.97
				34	77	9.00	1.97
				35	96	15.00	1.70
				36	75	6.00	1.42
				37	70	5.00	1.46
				38	67	5.00	1.66
				39	67	4.00	1.33
				40	64	4.00	1.53
				41	53	9.17	2.22
				42	88	6.82	2.17
				43	84	5.47	2.09
				44	84	5.23	2.00
				45	60	4.00	1.85
				46	58	4.02	2.06
				47	55	1.03	1.82
				48	50	2.34	1.87
			2 A 08 01 89	1	95	9.00	1.05
				2	86	7.00	1.10
				3	93	8.00	0.99
				4	93	12.00	1.49
				5	103	13.00	1.19
				6	161	49.00	1.17
				7	101	10.00	0.97
				8	137	21.00	0.89
				9	82	6.00	1.09
				10	103	10.00	0.92
				11	125	18.00	0.92
				12	98	9.00	0.96
				13	90	7.00	0.96
				14	174	68.00	1.29
				15	205	75.00	0.87
				16	218	97.00	0.94
				17	195	71.00	0.96
				18	182	63.00	1.05
				19	100	18.19	0.84
				20	446	915.00	1.03
				21	359	670.00	1.45
				22	580	2200.00	1.13
				23	407	810.00	1.20
				24	430	920.00	1.16
				25	67	2.73	0.91
				26	44	0.49	0.58
				27	67	3.22	1.07
				28	57	1.74	0.94
				29	54	1.49	0.54
				30	50	1.34	1.07
				31	52	1.35	0.97
				32	40	0.61	0.95
				33	56	1.74	0.99
				34	46	0.89	0.91
				35	389	640.00	1.09
				36	352	550.00	1.26
				37	189	44.00	0.71
				38	212	772.00	0.90
				39	450	930.00	1.02
				40	426	880.00	1.14
				41	400	365.00	0.88
				42	302	308.00	1.12
				43	387	620.00	1.07
				44	366	470.00	0.96
				45	326	580.00	1.10
				46	310	275.00	0.92
				47	113	16.00	1.11
				48	348	430.00	1.02
				49	114	17.00	1.15
				50	78	2.32	0.53
				51	217	325.00	2.20
				52	236	255.00	1.94
				53	175	15.00	2.15
				54	135	45.00	1.83
				55	87	11.00	1.67

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED)

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL		
2	A	06 01 89	ROCK BASS	6	89	13.00	1.84		
				7	73	7.52	1.93		
			GREEN SUNFISH	1	150	54.00	1.60		
				2	109	27.00	2.08		
				3	110	25.71	2.01		
				4	64	5.35	2.04		
				5	52	3.03	2.15		
			BLUEGILL	1	63	3.89	1.56		
			LONGEAR SUNFISH	1	86	12.00	1.89		
				2	117	21.00	1.31		
				3	121	32.00	1.81		
				4	104	23.00	2.04		
				5	71	6.00	1.68		
				6	108	31.00	2.46		
				7	85	11.00	1.79		
				8	75	8.00	1.90		
				9	96	15.00	1.70		
				10	121	48.00	2.71		
				11	114	31.00	2.09		
				12	130	43.00	1.96		
				13	119	34.00	2.24		
				14	125	39.00	2.00		
				15	104	25.00	2.22		
				16	120	42.00	2.43		
				17	96	18.00	2.03		
				18	105	24.00	2.07		
				19	99	19.00	1.96		
				20	110	29.00	2.18		
				21	90	14.00	1.82		
				22	92	15.00	1.93		
				23	80	11.00	2.15		
				24	74	8.52	2.10		
				25	62	5.00	2.10		
				26	61	4.40	1.94		
				27	62	4.71	1.98		
				28	52	2.55	1.81		
				29	57	3.78	2.04		
				SMALLMOUTH BASS	1	146	27.00	0.87	
					2	110	12.00	0.90	
					3	100	10.00	1.00	
					4	352	560.00	1.28	
					5	135	31.46	1.30	
					6	111	14.47	1.06	
					7	75	5.28	1.25	
				LARGEMOUTH BASS	8	122	21.45	1.18	
					1	244	212.00	1.46	
			B	06 04 89	BLACKSIDE DARTER	1	70	2.85	0.83
					GIZZARD SHAD	1	230	108.00	0.89
						2	232	106.00	0.85
						3	208	76.00	0.84
					CARP	1	421	970.00	1.30
						2	437	1130.00	1.32
					ROSYFACE SHINER	1	58	1.43	0.73
						2	60	1.71	0.79
						3	61	1.57	0.69
						4	58	1.44	0.74
					REDFIN SHINER	1	47	0.68	0.63
					BLUNTHOSE MINNOW	1	64	2.48	0.95
						2	53	2.35	0.94
						3	60	1.92	0.89
						4	32	1.30	0.92
					NORTHERN MOGSUCKER	1	360	530.00	1.14
						2	367	530.00	1.07
						3	379	520.00	0.96
						4	385	57.00	0.90
					SPOTTED SUCKER	1	172	48.00	0.94
					BLACK REDHORSE	1	164	35.00	0.79
					GOLDEN REDHORSE	1	438	880.00	1.05
						2	395	545.00	0.88
						3	342	540.00	1.45
						4	157	34.00	0.88
						5	119	15.00	0.99
					SHORTHEAD REDHORSE	1	325	190.00	1.14
					BROOK SILVERSIDE	1	85	2.95	0.48
						2	71	1.79	0.50
					ROCK BASS	1	237	286.00	2.15
						2	218	195.00	1.88
						3	222	225.00	2.06
						4	209	174.00	1.91
						5	116	25.00	1.60
						6	132	36.00	1.37
						7	234	260.00	2.03
						8	75	9.55	2.26
						9	62	4.69	1.97
					GREEN SUNFISH	1	160	75.00	1.83
						2	150	37.00	1.47
						3	147	62.70	1.95
						4	62	4.21	1.77
						5	70	6.25	1.82
						6	60	4.55	1.82
						7	57	3.46	1.87
						8	57	3.02	2.05
						9	67	6.24	2.07
					BLUEGILL	1	65	4.49	1.63
					LONGEAR SUNFISH	1	117	38.00	2.37
						2	117	34.00	2.12
						3	113	28.00	1.94
						4	123	38.00	2.04
						5	108	24.00	1.91
						6	116	34.00	2.18
						7	119	29.00	1.91
						8	95	16.00	1.87
						9	109	22.00	1.85
						10	120	35.00	2.03
						11	108	24.00	1.91
						12	105	24.00	2.07
						13	98	18.00	1.91
						14	130	44.00	2.00

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REP	DATE	SPECIES	IC NO.	LENGTH (MM)	WEIGHT (G)	MTL
2	B	08 04 89	LONGEAR SUNFISH	15	121	38.00	2.15
				16	115	32.00	2.10
				17	118	41.00	2.50
				18	119	37.00	2.20
				19	130	45.00	2.05
				20	117	27.00	1.92
				21	111	22.00	1.61
				22	111	24.00	1.75
				23	111	27.00	1.97
				24	94	14.00	1.69
				25	125	36.00	2.08
				26	112	26.00	1.85
				27	105	19.00	1.64
				28	79	6.00	1.22
				29	73	6.00	1.34
				30	120	21.00	1.50
				31	118	32.00	1.95
				32	103	23.00	2.10
				33	87	14.00	2.13
				34	111	30.00	2.19
				35	105	22.00	1.90
				36	94	15.00	1.61
				37	97	15.00	1.64
				38	65	13.00	2.12
				39	70	6.00	1.75
				40	81	8.00	1.51
				41	72	5.00	1.34
				42	60	5.00	2.31
				43	95	12.00	1.40
				44	59	5.00	2.43
				45	85	12.94	2.11
				46	83	11.99	2.10
				47	95	3.30	1.98
				48	59	3.64	1.77
				49	66	1.82	1.87
				50	57	3.13	1.69
				51	59	3.57	1.74
				52	52	2.72	1.93
				53	50	2.21	1.77
			GREEN X LONGEAR SUNFISH	1	131	40.00	1.78
			SHALLOUTH BASS	1	229	143.00	1.19
				2	155	34.00	0.91
				3	146	24.00	0.77
				4	120	16.00	0.93
				5	109	12.00	0.93
				6	109	12.00	0.93
				7	326	388.00	1.12
				8	186	65.00	1.01
				9	157	38.00	0.98
				10	150	32.00	0.95
				11	127	13.56	1.33
				12	105	15.19	1.31
				13	82	4.35	1.15
				1	360	348.00	0.75
				2	320	225.00	0.89
				3	341	351.00	0.89
				4	276	200.00	0.95
				5	275	214.00	1.03
				6	247	136.00	0.90
				7	246	143.00	0.95
			ROSYFACE SHINER	1	64	1.73	0.68
			SAND SHINER	1	65	2.79	0.83
				2	45	1.45	0.88
				3	48	0.78	0.71
			MINID SHINER	1	55	1.57	0.94
				2	56	1.44	0.81
			BLUNTNOSE MINNOW	1	57	1.52	0.62
				2	57	1.78	0.94
				3	55	1.37	0.82
				4	50	0.74	0.59
				5	51	1.12	0.84
				6	61	2.12	0.94
				7	63	2.50	1.00
				8	61	0.54	0.78
				9	56	1.49	0.85
				10	61	1.25	0.94
				11	50	0.98	0.70
				12	44	0.63	0.74
				13	43	0.56	0.73
				14	44	0.68	0.80
				15	57	1.23	0.93
				16	43	0.63	0.78
				17	30	0.20	0.74
				18	30	0.20	0.74
			GOLDEN REDHORSE	1	319	335.00	1.03
				2	318	345.00	1.07
				3	343	540.00	1.34
				4	300	290.00	1.07
				5	195	70.00	0.94
			STONECAT	1	176	51.00	0.94
			BROOK SILVERSIDE	1	87	3.10	0.47
				2	69	1.33	0.47
			ROCK BASS	1	130	37.00	1.68
				2	104	19.00	1.69
				3	82	11.00	2.00
				4	81	10.00	1.88
				5	88	12.00	1.76
			GREEN SUNFISH	1	107	22.00	1.80
				2	62	4.94	2.07
				3	57	4.09	2.21
				4	66	5.94	2.07
				5	62	4.76	2.00
				6	54	3.71	2.10
				7	52	2.56	1.82
				8	46	1.99	2.04
				9	50	2.37	1.90
				10	52	2.71	1.93
				11	52	2.80	1.99

APPENDIX C-1. FISH CAUGHT IN THE SANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	MTL
2	C	08 07 89	GREEN SUNFISH	12	54	2.87	1.82
				13	52	2.81	2.00
				14	49	2.10	1.78
			BLUEGILL	1	155	75.00	2.01
				2	89	5.85	1.72
			LONGEAR SUNFISH	1	90	13.00	1.78
				2	90	12.00	1.65
				3	110	20.00	1.50
				4	101	15.00	1.48
				5	107	24.00	1.96
				6	95	16.00	1.87
				7	125	39.00	2.00
				8	113	28.00	1.94
				9	112	32.00	2.28
				10	110	25.00	1.88
				11	116	26.00	1.67
				12	114	30.00	2.02
				13	93	17.00	2.11
				14	70	6.00	1.75
				15	90	14.00	1.92
				16	120	39.00	2.26
				17	64	4.00	1.53
				18	81	10.00	1.88
				19	1.9	22.00	2.07
				20	8	11.00	2.49
				21	2	17.00	1.81
				22	85	15.00	2.44
				23	84	12.00	2.02
				24	98	16.00	1.70
				25	108	27.00	2.14
				26	113	30.00	2.08
				27	107	26.00	2.12
				28	110	27.00	2.03
				29	96	18.00	2.03
				30	107	25.00	2.04
				31	92	12.00	1.54
				32	96	16.00	1.93
				33	95	16.00	1.87
				34	97	16.00	1.97
				35	87	6.00	1.99
				36	87	6.40	2.13
				37	62	4.93	2.07
				38	60	4.43	2.05
				39	60	4.80	2.22
				40	64	4.80	1.83
				41	59	4.44	2.16
				42	52	2.75	1.96
				43	53	2.80	1.88
				44	49	2.07	1.76
				45	39	1.02	1.72
			SMALLMOUTH BASS	1	170	53.00	1.08
				2	151	37.00	1.07
				3	157	48.00	1.24
			LARGEMOUTH BASS	4	102	10.00	0.94
				1	250	205.00	1.31
				1	51	0.47	0.35
				2	195	94.00	1.27
				2	41	0.93	1.35
				3	47	1.31	1.25
				1	47	0.93	0.90
			JOHNNY DARTER	1	215	104.00	1.05
			GIZZARD SHAD	2	221	100.00	0.93
				3	272	136.00	0.85
				4	212	90.00	0.94
			SAND SHIMER	1	52	1.04	0.74
			BLUNTHOSE MINNOW	1	54	1.53	0.97
				2	66	3.05	1.06
			NORTHERN HOGSUCKER	1	333	450.00	1.22
				2	375	510.00	0.97
				3	336	450.00	1.19
				4	356	510.00	1.15
				5	339	420.00	1.08
				6	412	710.00	1.02
				7	342	510.00	1.27
				8	363	510.00	1.05
				9	155	25.00	0.94
				10	160	38.00	0.93
			SILVER REDHORSE	1	191	66.00	0.95
			GOLDEN REDHORSE	1	354	450.00	1.01
				2	444	790.00	0.90
				3	335	420.00	1.12
				4	441	690.00	0.80
				5	292	300.00	1.20
				6	354	460.00	1.04
				7	185	61.00	1.00
				8	347	390.00	0.93
				9	133	22.00	0.94
			BROOK SILVERSIDE	1	85	3.10	0.50
			ROCK BASS	1	85	10.00	1.63
				2	80	10.00	1.95
			GREEN SUNFISH	1	59	4.25	2.07
				2	48	2.39	2.16
			BLUEGILL	1	150	67.00	1.99
				2	95	13.00	1.53
			LONGEAR SUNFISH	1	122	37.00	2.04
				2	122	40.00	2.20
				3	111	28.00	2.05
				4	100	20.00	2.00
				5	102	20.00	1.88
				6	98	15.00	1.59
				7	86	12.00	1.89
				8	111	26.00	1.90
				9	102	20.00	1.88
				10	115	31.00	2.04
				11	116	38.00	2.43
				12	112	26.00	1.85
				13	117	34.00	2.12
				14	95	15.00	1.75

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	MTL
2	D	08 10 89	LONGEAR SUNFISH	15	89	11.00	1.56
				16	124	41.00	2.15
				17	101	21.00	2.04
				18	105	22.00	1.90
				19	112	28.00	1.99
				20	93	14.00	1.74
				21	116	30.00	1.92
				22	120	41.00	2.37
				23	92	13.00	1.67
				24	88	11.00	1.61
				25	89	12.00	1.70
				26	72	6.00	1.41
				27	105	20.00	1.73
				28	111	24.00	1.80
				29	81	9.00	1.69
				30	90	11.00	1.41
				31	95	15.00	1.75
				32	115	15.00	0.99
				33	58	4.39	2.25
				34	52	2.84	2.02
				35	52	2.84	2.02
				36	51	2.51	1.89
				37	55	3.20	1.92
				38	50	2.22	1.78
				39	46	1.84	1.89
				40	49	2.13	1.81
			SMALLMOUTH BASS	1	124	17.00	0.89
				2	141	24.00	0.86
				3	160	43.00	1.05
				4	85	17.00	2.77
			GRASS PICKEREL	5	164	52.00	1.18
				6	177	54.00	0.97
				7	151	34.00	0.98
				1	267	132.00	0.69
3L	A	08 01 19	CARRP	2	100	5.94	0.99
				1	410	885.00	1.28
				1	101	12.62	1.22
				1	68	2.80	0.89
			HORNHEAD CHUB	1	42	0.55	0.74
				1	366	630.00	1.28
				2	385	845.00	1.12
				3	392	865.00	1.10
			STRIPE SHINER	4	116	16.00	1.03
				5	119	20.00	1.19
				6	105	12.00	1.04
				1	331	340.00	0.94
			BLUNTNOSE MINNOW	1	186	9.00	0.14
				2	87	14.00	2.13
				3	92	13.00	1.67
				4	91	15.00	1.99
			GOLDEN REDHORSE	5	89	15.27	2.17
				6	77	9.20	2.02
				1	125	25.00	1.28
				2	72	8.79	2.36
			SHORTHEAD REDHORSE	3	65	5.99	2.18
				4	64	5.90	2.25
				5	70	7.47	2.18
				6	65	6.45	2.35
			ROCK BASS	7	61	4.50	1.98
				8	61	4.80	2.11
				9	56	3.93	2.24
				10	48	2.12	1.92
			GREEN SUNFISH	1	61	8.12	1.82
				2	57	2.85	1.54
				1	80	10.00	1.95
				2	106	24.00	2.02
			BLUEGILL	3	104	20.00	1.78
				4	85	13.00	2.12
				5	108	25.00	1.98
				6	78	11.00	2.32
			LONGEAR SUNFISH	7	114	34.00	2.29
				8	87	16.00	1.45
				9	93	16.00	1.99
				10	96	17.00	1.92
			SMALLMOUTH BASS	11	115	57.00	2.32
				12	111	24.00	1.75
				13	90	14.00	1.92
				14	90	16.00	2.19
			SMALLMOUTH BASS	15	82	11.00	2.00
				16	77	10.00	2.19
				17	73	8.37	2.20
				18	71	7.89	2.20
			SMALLMOUTH BASS	19	80	11.24	2.20
				20	73	8.43	2.17
				21	77	11.97	2.62
				22	78	10.09	2.13
			SMALLMOUTH BASS	23	70	7.71	2.25
				24	72	7.60	2.04
				25	70	7.15	2.15
				26	69	7.23	2.20
			SMALLMOUTH BASS	27	71	8.24	2.30
				28	61	4.75	2.09
				29	65	5.34	1.94
				30	60	4.78	2.27
			SMALLMOUTH BASS	31	56	3.44	1.96
				32	56	3.74	2.13
				33	56	3.74	2.13
				34	52	2.63	1.87
			SMALLMOUTH BASS	35	51	2.64	1.99
				36	50	2.42	1.94
				37	47	1.97	1.70
				38	41	2.49	1.88
			SMALLMOUTH BASS	39	55	3.00	1.80
				1	313	340.00	1.11
				2	168	53.00	1.12
				3	180	63.00	1.08
				4	123	17.00	0.91
				5	95	10.39	1.21

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	XTL
3L	A	08 01 89	SMALLMOUTH BASS	6	87	7.40	1.12
			LARGEMOUTH BASS	1	195	98.00	1.32
				2	61	2.88	1.27
			JOHNNY DARTER	1	47	0.82	0.79
B	08 04 89		BLUNTNOST MINNOW	1	54	1.46	0.93
			QUILLBACK	1	402	725.00	1.12
			GOLDEN REDHORSE	1	128	22.00	1.05
				2	122	16.00	0.88
				3	120	19.00	1.10
				4	137	24.00	0.93
			SHO-THREAD REDHORSE	1	396	420.00	0.67
			BROOK SILVERSIDE	1	44	0.57	0.67
			ROCK BASS	1	221	260.00	2.41
				2	104	19.00	1.69
				3	91	14.00	1.74
				4	85	13.00	2.12
				5	86	11.00	1.73
				6	142	42.00	1.47
				7	72	6.00	1.61
				8	96	13.00	1.47
				9	85	9.00	1.47
				10	61	8.00	1.51
				11	87	11.00	1.67
				12	89	9.00	1.52
				13	88	11.00	1.91
				14	26	10.00	1.37
				15	70	3.00	0.87
			GREEN SUNFISH	1	79	9.00	1.83
				2	68	6.57	2.09
				3	67	6.43	2.14
				4	61	4.66	2.14
				5	59	4.19	2.04
				6	59	4.32	2.10
				7	51	2.74	2.07
				8	52	2.95	2.10
				9	47	2.15	2.07
			ORANGESPOTTED SUNFISH	1	109	20.00	1.54
			LONGEARS SUNFISH	1	71	5.00	1.68
				2	110	28.00	2.10
				3	102	18.00	1.70
				4	111	23.00	1.68
				5	104	17.00	1.51
				6	82	9.00	1.63
				7	104	17.00	1.51
				8	70	6.00	1.75
				9	76	7.00	1.59
				10	72	8.06	2.16
				11	60	4.31	2.00
				12	60	4.59	2.12
			SMALLMOUTH BASS	1	357	640.00	1.41
				2	343	530.00	1.31
				3	230	116.00	0.95
				4	297	370.00	1.41
				5	195	81.00	1.09
				6	197	92.00	1.20
				7	190	84.00	0.91
				8	105	10.00	0.86
				9	95	10.00	1.17
				10	106	14.00	1.18
				11	161	40.00	0.96
				12	93	6.00	0.75
				13	100	9.00	0.90
				14	94	7.00	0.84
				15	95	7.00	0.82
				16	169	46.00	0.95
				17	181	60.00	1.01
				18	153	33.00	0.92
				19	112	14.00	1.00
				20	99	10.00	1.03
			LARGEMOUTH BASS	2	41	1.02	1.48
			LOGPERCH	1	92	6.40	0.82
			STRIPED SHINER	1	66	6.10	0.96
				2	91	7.14	0.95
				3	91	7.19	0.95
				4	70	3.27	0.95
			SAND SHINER	1	46	0.75	0.77
			MINIC SHINER	1	47	0.80	0.77
			BLUNTNOST MINNOW	1	51	2.44	1.07
				2	57	1.48	0.80
				3	46	0.85	0.87
			BIGHMOUTH BUFFALO	1	520	2150.00	1.53
			GOLDEN REDHORSE	1	127	19.00	0.93
				2	118	18.00	1.10
				3	131	22.00	0.98
				4	136	27.00	1.07
				5	131	21.00	0.93
				6	136	25.00	0.99
				7	139	14.00	1.08
			BROOK SILVERSIDE	1	69	1.72	0.54
			ROCK BASS	1	100	17.00	1.70
				2	93	13.00	1.62
				3	94	15.00	1.61
				4	97	15.00	1.64
				5	87	12.78	1.94
				6	75	8.06	1.91
				7	71	7.28	2.03
			GREEN SUNFISH	1	125	24.00	1.23
				2	121	31.00	1.75
				3	85	11.00	1.79
				4	69	6.78	2.06
				5	70	6.67	1.94
				6	47	3.69	1.99
				7	61	4.42	1.95
				8	54	3.11	1.92
				9	59	4.04	1.97
				10	65	5.53	2.01
				11	56	4.17	2.14
				12	67	5.83	1.94

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	MTL
3L	C	08 07 89	GREEN SUNFISH	13	58	4.18	2.14
				14	54	3.57	2.27
				15	54	3.30	2.10
				16	47	1.93	1.86
				17	55	3.07	1.85
				18	53	3.14	2.11
				19	47	2.27	2.19
				1	85	13.83	2.29
				1	109	28.00	2.16
				2	91	8.00	1.06
			ORANGESPOTTED SUNFISH LONGEAR SUNFISH	3	95	16.00	1.87
				4	108	22.00	1.75
				5	108	24.00	1.91
				6	88	13.00	1.91
				7	103	18.00	1.63
				8	103	14.00	1.28
				9	79	10.71	2.17
				10	68	6.80	2.16
				11	61	4.81	2.12
				12	62	5.09	2.14
				13	65	5.71	2.08
				14	56	3.63	2.07
				15	57	3.74	2.02
				16	54	3.10	1.97
				17	55	3.19	1.92
				18	53	2.90	1.95
				19	58	3.81	1.95
				20	53	2.13	2.10
				21	63	4.86	1.78
				22	53	2.95	1.98
				23	50	2.63	2.10
				24	50	2.40	1.92
				25	49	2.30	1.95
				26	46	1.78	1.81
				27	41	1.29	1.87
D	08 10 89		SMALLMOUTH BASS	1	227	124.00	1.10
				2	101	9.00	0.87
				3	96	8.00	0.90
				4	98	8.00	0.85
				5	99	10.00	1.03
				6	94	7.00	0.94
				7	100	10.00	1.04
			LOOPERCH STRIPED SHINER	8	85	7.42	1.21
				1	122	12.88	0.71
				1	88	8.03	1.18
				2	88	7.22	1.06
				3	96	8.91	1.01
			GOLDEN REDHORSE	1	325	360.00	1.05
				2	404	680.00	1.03
				3	127	21.00	1.12
				4	125	19.00	0.97
				5	127	23.00	1.12
			SHORTHEAD REDHORSE	6	142	29.00	1.01
				1	145	26.00	0.85
			ROCK BASS	2	135	21.00	0.85
				1	94	12.00	1.44
			LONGEAR SUNFISH	1	111	25.00	1.83
				2	102	20.00	1.88
			SMALLMOUTH BASS	3	97	13.00	1.42
				4	61	4.28	1.89
				1	337	510.00	1.33
				2	224	123.00	1.09
				3	244	154.00	1.06
				4	102	10.00	0.94
				5	106	12.00	1.01
JR	A	08 01 89	GIZZARD SHAD CARP	6	92	8.00	1.03
				7	103	10.00	0.92
				8	100	9.00	0.90
				9	105	10.00	0.88
				1	307	205.00	0.71
				1	609	3356.00	1.49
				2	664	3992.00	1.36
			BLUNTNOSE MINNOW QUILLBACK SMALLMOUTH BUFFALO SILVER REDHORSE GOLDEN REDHORSE	3	448	1200.00	1.33
				4	416	850.00	1.18
				5	378	670.00	1.24
				6	310	415.00	1.39
				1	47	1.18	1.14
				1	401	780.00	1.21
				1	391	680.00	1.14
			ROCK BASS	1	163	40.00	0.92
				1	315	298.00	0.95
				2	127	18.00	0.88
				3	110	15.00	1.13
				4	110	12.00	0.90
				5	112	15.00	1.07
				6	107	14.27	1.16
			BLUEGILL	1	221	222.00	2.06
				2	204	165.00	1.94
				3	220	113.00	1.06
				4	182	115.00	1.91
				5	156	65.00	1.71
				6	160	82.00	2.00
				7	132	43.00	1.87
			LONGEAR SUNFISH	8	93	12.00	1.49
				9	100	20.00	2.00
				1	112	24.00	1.71
				2	125	34.00	1.74
				1	88	34.00	4.99
				2	105	22.00	1.90
				3	100	19.00	1.90
			SMALLMOUTH BASS	4	70	8.00	2.33
				1	340	456.00	1.19
				2	137	27.00	1.05
				3	112	17.00	1.21
			SLENDERHEAD DARTER	4	105	13.00	1.12
				5	104	10.00	0.89
				1	66	3.32	1.15
				2	60	2.90	1.14

APPENDIX D-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELDTROT FISHING
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REF	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	MTL
3R	A	08 01 89	SLENDERHEAD DARTER	3	65	2.98	1.09
	B	08 04 89	CARP	1	388	820.00	1.40
			STRIPED SHINER	1	78	4.53	0.95
			GOLDEN REDHORSE	1	376	625.00	1.18
				2	296	290.00	1.12
				3	115	15.00	0.99
				4	110	14.00	1.05
				5	116	16.00	1.15
			BROOK SILVERSIDE	1	65	1.88	0.81
			ROCK BASS	1	231	320.00	2.60
				2	135	44.00	1.79
				3	138	50.00	1.90
				4	125	32.00	1.64
				5	70	7.00	2.04
			GREEN SUNFISH	1	60	4.90	2.27
			ORANGESPOTTED TUNFISH	1	98	18.00	1.91
				2	101	16.00	1.55
			BLUEGILL	1	167	108.00	2.32
				2	115	27.00	1.78
				3	70	5.00	1.46
				4	67	4.00	1.33
			LONGEAR SUNFISH	1	95	16.00	1.87
				2	120	33.00	1.91
				3	113	30.00	2.08
				4	126	32.00	1.60
				5	105	24.00	2.37
				6	103	19.00	1.74
				7	69	4.00	1.22
				8	67	12.00	1.82
				9	50	2.00	1.60
			SMALLMOUTH BASS	1	326	450.00	1.30
				2	332	490.00	1.34
				3	218	132.00	1.27
				4	260	190.00	1.08
				5	210	195.00	2.11
				6	201	90.00	1.11
				7	159	40.50	1.01
				8	162	53.00	1.25
				9	90	8.00	1.10
				1	80	0.94	1.47
			LARGEMOUTH BASS	1	121	3.00	0.17
C	08 07 89		LONGNOSE GAR	2	140	5.00	0.18
				3	125	2.00	0.10
			STRIPED SHINER	1	90	7.53	1.03
			ROSYFACE SHINER	1	65	2.04	0.74
				2	61	1.70	0.75
				3	42	0.56	0.76
				4	38	0.40	0.73
			BLUNTNOST MINNOW	1	52	1.44	0.89
				2	52	1.44	1.02
				3	27	0.15	0.76
			QUILLBACK	1	279	256.00	1.18
			SPOTTED SUCKER	1	116	10.00	1.03
			SILVER REDHORSE	1	192	26.00	0.91
			RIVER REDHORSE	1	625	2381.00	0.98
			GOLDEN REDHORSE	1	392	690.00	1.15
				2	122	16.00	0.88
				3	111	12.00	0.88
				4	119	14.00	0.63
				5	120	18.00	1.04
				6	117	13.00	0.81
			BROOK SILVERSIDE	1	55	0.74	0.44
				2	49	0.56	0.48
			ROCK BASS	1	125	36.00	1.84
				2	109	55.00	1.66
				3	92	15.00	1.93
			GREEN SUNFISH	1	56	3.63	2.07
			LONGEAR SUNFISH	1	122	51.00	2.28
				2	124	41.00	2.15
				3	112	32.00	2.28
				4	114	29.00	1.95
				5	91	12.00	1.59
				6	67	5.00	1.66
				7	45	2.10	1.90
				8	46	1.71	1.76
			SMALLMOUTH BASS	1	295	307.00	1.20
				2	191	74.00	1.06
				3	163	48.00	1.11
				4	165	54.00	1.20
				5	95	11.00	1.35
				6	63	5.00	0.87
				7	98	6.00	0.64
				8	85	7.00	1.14
				9	44	1.00	1.17
			LARGEMOUTH BASS	1	231	166.00	1.35
				2	225	149.00	1.31
				3	52	1.79	1.27
				4	84	8.11	0.86
			LOOPERCH	1	423	1050.00	1.39
			CARP	1	49	0.91	0.77
			ROSYFACE SHINER	2	45	0.75	0.82
				1	62	2.14	0.90
			BLUNTNOST MINNOW	2	60	2.03	0.94
				1	402	670.00	1.03
			GOLDEN REDHORSE	2	316	385.00	1.22
				3	318	375.00	1.17
				4	125	35.00	1.79
			ROCK BASS	1	125	35.00	0.21
				2	180	12.00	1.85
				3	148	60.00	1.90
				4	138	50.00	2.11
				5	220	225.00	2.06
				6	193	148.00	1.75
				7	63	10.00	1.67
			GREEN SUNFISH	1	67	11.00	2.11
				2	65	5.80	1.99
				3	56	3.50	1.59
			ORANGESPOTTED SUNFISH	1	91	12.00	1.86
			BLUEGILL	1	97	17.00	

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTG
3A	D	08 10 89	BLUEGILL	2	77	8.27	1.81
				3	67	4.78	1.59
			LONGEAR SUNFISH	1	109	27.00	2.08
				2	109	20.00	2.00
				3	99	22.00	2.27
				4	80	12.00	2.34
				5	126	50.00	2.50
				6	111	33.00	2.41
				7	126	55.00	2.75
				8	116	29.00	1.86
				9	127	48.00	2.25
				10	107	27.00	2.20
				11	77	11.00	2.41
				12	76	9.80	2.19
				13	75	8.68	2.06
				14	67	6.14	2.04
				15	59	3.93	1.91
				16	57	1.39	1.83
			SMALLMOUTH BASS	17	51	2.55	1.02
				18	44	1.57	1.64
				1	331	470.00	1.30
				2	190	86.00	1.25
				3	155	52.00	1.16
				4	105	14.00	1.21
				5	132	28.00	1.22
				6	157	46.00	1.19
				7	100	12.00	1.20
				8	96	9.00	1.02
				9	110	13.00	0.98
				10	104	10.00	0.89
			LARGEMOUTH BASS	1	42	0.85	1.15
			LOOPERCH	1	88	5.86	0.86
			LONGNOSE GAR	1	486	184.00	0.16
			GARP	1	490	770.00	0.85
4L	A	08 01 89		2	385	730.00	1.28
				3	333	500.00	1.15
				4	308	480.00	1.64
				5	301	370.00	1.36
			STRIPED SHINER	1	33	0.32	0.89
				2	92	7.04	0.91
				3	93	8.26	1.03
				4	84	6.00	1.01
				5	80	4.96	0.97
			SPOTTIN SHINER	1	93	10.27	1.08
				2	77	5.33	1.17
			REDFIN SHINER	1	51	1.49	1.12
			BLUNTNOSE MINNOW	1	54	1.55	0.98
			GOLDEN REDHORSE	1	307	310.00	1.07
				2	108	13.00	1.03
				3	117	19.17	1.20
			BLACKSTRIPE TOPMINNOW	1	81	2.89	1.10
			ROCK BASS	1	96	10.00	1.13
				2	97	17.00	1.86
				3	77	9.00	1.97
				4	96	15.00	1.70
				5	79	10.33	2.10
			GREEN SUNFISH	1	177	105.00	1.89
				2	105	21.00	1.81
				3	62	5.24	2.20
				4	60	4.34	2.01
			ORANGESPOTTED SUNFISH	1	79	6.00	1.22
				2	100	19.00	1.90
				3	84	10.00	1.69
				4	72	4.00	1.61
				5	95	15.00	1.75
				6	62	4.00	1.68
			BLUEGILL	1	77	7.00	1.53
				2	69	4.00	1.22
				3	62	4.11	1.72
				4	62	4.52	1.90
				5	64	4.65	1.77
			LONGEAR SUNFISH	1	122	38.00	2.09
				2	92	17.00	2.18
				3	100	21.00	2.10
				4	102	17.00	1.80
				5	106	25.00	1.98
				6	85	9.00	1.47
				7	87	15.00	2.28
				8	118	35.00	2.13
				9	121	38.00	2.15
				10	89	15.00	2.13
				11	102	22.00	2.07
				12	73	7.00	1.80
				13	92	15.00	1.93
				14	83	11.00	1.92
				15	85	15.00	1.75
				16	96	13.00	2.04
				17	16	0.00	1.82
				18	84	12.00	2.02
				19	80	11.00	2.15
				20	67	6.43	2.14
				21	69	7.68	2.34
				22	73	8.05	2.07
				23	69	7.33	2.23
				24	64	5.93	2.26
				25	61	4.82	2.12
				26	67	1.96	1.89
				27	58	3.74	1.92
				28	45	1.98	2.17
				29	51	2.71	2.06
				30	53	3.10	2.08
				31	51	2.46	1.85
				32	46	1.75	1.80
			SMALLMOUTH BASS	1	104	12.00	1.07
				2	95	8.00	0.93
				3	106	9.00	0.76
				4	100	8.00	0.80
				5	129	19.21	1.59

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1969 (CONTINUED).

STN	REP	DATE	SPECIES	TD NO.	LENGTH (MM)	WEIGHT (G)	KTL
AL	A	08 01 89	LOOPERCH	1	88	3.57	0.32
	B	08 04 89	STRIPED SHINER	1	83	5.61	0.98
			GOLDEN REDHORSE	1	405	608.00	0.92
			YELLOW BULLHEAD	1	122	16.00	0.88
			ROCK BASS	1	215	218.00	2.19
				2	108	21.00	1.87
				3	92	15.00	1.93
				4	119	28.00	1.56
				5	78	5.00	1.14
				6	85	18.00	2.10
				7	90	14.00	1.92
			GREEN SUNFISH	1	106	18.00	1.34
				2	95	10.00	1.17
				3	136	46.00	1.83
				4	122	30.00	1.65
				5	84	13.00	2.19
				6	73	10.00	2.57
				7	91	16.00	2.12
				8	72	9.00	2.41
				9	71	8.00	2.24
				10	62	4.90	2.06
				11	61	5.04	2.22
				12	56	2.80	2.16
			ORANGESPOTTED SUNFISH	1	100	29.00	2.24
				2	92	18.00	2.31
			LONGEAR SUNFISH	1	120	32.00	1.85
				2	121	27.00	1.52
				3	97	14.00	1.53
				4	93	12.00	1.49
				5	87	8.00	1.21
				6	115	33.00	2.17
				7	101	21.00	2.04
				8	106	30.00	2.52
				9	105	27.00	2.31
				10	103	24.00	2.20
				11	68	5.00	1.59
				12	69	7.00	2.13
				13	61	17.00	2.26
				14	92	16.00	2.09
				15	83	15.00	2.62
				16	60	7.00	3.24
				17	115	31.00	2.04
				18	60	4.00	1.65
				19	83	11.00	1.92
				20	113	29.00	2.01
				21	70	4.00	1.75
				22	64	6.00	2.09
				23	52	4.00	2.84
				24	56	4.33	2.22
				25	50	2.59	2.07
			SMALLMOUTH BASS	1	368	647.00	1.30
				2	167	48.00	1.03
				3	147	28.00	0.88
				4	181	64.00	1.33
				5	175	49.00	0.91
				6	95	11.00	1.28
				7	100	9.00	0.50
				8	91	7.00	0.93
			LARGEMOUTH BASS	1	236	162.00	1.23
			GRASS PICKEREL	1	83	1.00	0.17
				2	77	2.79	0.61
			STRIPED SHINER	1	43	0.70	0.88
				2	41	0.62	0.90
				3	41	0.63	0.91
				4	36	0.37	0.79
				5	31	0.31	1.04
				6	31	0.28	0.91
			BLUNTNose MINNOW	1	51	1.36	1.03
				2	19	0.09	1.31
			BROOK SILVERSIDE	1	46	0.50	0.51
				2	46	0.50	0.51
			ROCK BASS	1	81	6.00	1.05
				2	98	13.00	1.37
				3	87	7.00	1.08
				4	79	5.00	1.29
			GREEN SUNFISH	1	103	17.00	1.56
				2	68	5.00	1.59
				3	62	5.06	2.12
				4	55	3.42	2.08
				5	57	3.71	2.00
				6	50	2.35	1.88
				7	50	2.44	1.95
			LONGEAR SUNFISH	1	124	44.00	2.31
				2	102	17.00	1.60
				3	103	19.00	1.74
				4	118	30.00	1.83
				5	99	16.00	1.65
				6	105	17.00	1.47
				7	104	19.00	1.69
				8	101	20.00	1.94
				9	66	3.00	0.97
				10	173	50.00	0.97
				11	96	15.00	1.70
				12	83	11.00	1.92
				13	78	8.00	1.69
				14	78	4.00	0.84
				15	74	5.60	1.23
				16	65	5.83	2.12
				17	66	6.38	2.21
				18	51	2.62	1.98
				19	58	4.40	2.26
				20	60	4.00	1.85
				21	56	3.74	1.92
				22	53	2.87	1.99
				23	45	3.37	2.03
				24	47	2.14	2.06
				25	49	2.24	1.90
				26	48	1.91	1.75

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	MTL
4L	C	08 07 89	LONGEAR SUNFISH	27	47	2.02	1.95
				28	43	1.57	1.97
				29	45	1.58	1.73
			SMALLMOUTH BASS	1	200	120.00	1.50
				2	159	34.00	0.85
				3	160	39.00	0.95
				4	103	8.00	0.73
				5	95	7.00	0.82
				6	182	60.00	1.00
				7	92	4.00	0.51
				8	91	5.00	0.66
			LARGEMOUTH BASS	1	46	1.18	1.21
			LOOPERCH	1	96	6.62	0.07
	D	08 10 89	HORNHEAD CHUB	1	130	21.00	0.96
			BLUNTNODE MINNOW	1	50	1.21	0.97
			SILVER REDHORSE	1	156	40.00	1.05
				2	131	25.00	1.11
			GOLDEN REDHORSE	1	136	22.00	0.87
			ROCK BASS	1	60	9.00	1.76
				2	79	10.00	2.03
				3	82	10.00	1.81
				4	90	11.00	1.51
			GREEN SUNFISH	1	51	7.86	2.18
				2	50	2.65	2.12
			ORANGESPOTTED SUNFISH	1	70	10.00	2.92
			LONGEAR SUNFISH	1	96	15.00	1.70
				2	104	21.00	1.87
				3	115	35.00	2.30
				4	91	15.00	1.92
				5	80	12.00	2.34
				6	76	9.00	2.07
				7	75	6.00	1.72
				8	61	4.00	1.60
				9	77	8.00	1.75
				10	79	9.00	1.63
				11	100	17.00	1.70
				12	75	6.00	1.42
				13	64	5.00	1.91
				14	63	4.98	1.99
				15	51	2.81	1.89
				16	50	2.29	1.83
				17	49	2.15	1.87
			SMALLMOUTH BASS	1	165	43.00	0.96
				2	92	6.00	1.03
				3	95	7.00	0.82
				4	119	17.00	1.01
				5	91	10.00	1.32
				6	86	6.00	0.94
			SLENDERHEAD DARTER	1	65	2.47	0.90
				2	54	1.18	0.72
4R	A	08 01 89	LONGNOSE GAR	1	585	355.00	0.20
				2	485	146.00	0.15
				3	433	108.00	0.13
			GIZZARD SHAD	1	207	81.00	0.91
				2	195	67.00	0.90
			CARP	1	395	810.00	1.31
				2	295	410.00	1.60
				3	300	520.00	1.93
				4	355	620.00	1.39
				5	365	735.00	1.25
				6	350	565.00	1.32
				7	365	640.00	1.32
				8	382	655.00	1.18
				9	409	945.00	1.38
				10	306	390.00	1.36
			STRIPED SHINER	1	85	5.41	0.88
			SPOTFIN SHINER	1	65	2.72	0.99
				2	26	0.11	0.63
			BLUNTNODE MINNOW	1	54	1.39	0.88
			SPOTTED SUCKER	1	152	38.00	1.08
			SILVER REDHORSE	1	185	88.00	1.07
			GOLDEN REDHORSE	1	335	380.00	1.01
				2	337	470.00	1.23
				3	127	21.00	1.03
				4	106	13.00	1.09
				5	108	14.00	1.11
				6	121	16.00	1.02
				7	115	17.00	1.09
				8	121	18.00	1.02
				9	117	17.00	1.06
				10	110	13.00	0.98
				11	123	21.15	1.14
				12	110	16.30	1.22
				13	104	13.72	1.22
				14	103	13.87	1.21
				15	104	13.24	1.18
				16	82	7.40	1.36
			SHORTHEAD REDHORSE	1	417	560.00	0.77
			ROCK BASS	1	216	218.00	2.16
				2	211	193.00	2.05
				3	208	200.00	2.22
				4	107	22.00	1.80
				5	121	29.00	1.84
				6	108	22.00	1.75
				7	88	13.00	1.91
				8	85	10.00	1.63
				9	85	11.00	1.79
				10	137	30.00	1.94
				11	108	23.00	1.83
				12	110	27.00	2.03
				13	88	11.00	1.41
				14	87	13.00	1.97
				15	73	8.00	2.06
			GREEN SUNFISH	1	22	0.16	1.50
				2	51	4.70	2.07
			ORANGESPOTTED SUNFISH	1	89	13.00	1.84
				2	97	15.00	1.64
				3	93	12.00	1.49

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED).

STR	REF	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	XTL
4R	A	08 01 89	ORANGESPOTTED SUNFISH	9	92	11.00	1.41
				5	70	5.00	1.46
				6	93	13.00	1.62
				7	99	18.00	1.86
			BLUEGILL	1	155	93.00	2.30
				2	94	11.00	1.32
				3	86	10.00	1.57
			LONGEAR SUNFISH	1	101	21.00	2.04
				2	111	28.00	2.05
				3	96	18.00	2.03
				4	92	18.00	2.31
				5	91	19.00	2.08
				6	80	12.00	2.34
				7	112	29.00	2.06
				8	110	27.00	2.03
				9	85	16.00	2.61
				10	82	9.00	1.63
				11	67	6.53	2.17
				12	68	6.15	1.96
				13	59	4.71	2.29
				14	81	11.45	2.15
				15	65	5.81	2.12
				16	65	6.34	2.31
				17	57	3.60	1.94
				18	55	2.99	1.80
				19	59	3.98	1.94
				20	55	3.16	1.91
				21	55	3.23	1.94
				22	49	2.24	1.90
				23	45	1.58	1.73
				24	54	2.52	1.66
				25	47	1.95	1.68
				26	43	1.41	1.77
			SMALLMOUTH BASS	1	148	31.00	0.96
				2	119	18.00	1.07
				3	86	11.00	1.73
				4	132	29.31	1.27
				5	118	16.13	0.98
				6	112	17.83	1.27
				7	100	10.95	1.09
				8	83	6.61	1.16
			LOGPERCH	1	92	6.86	0.88
				2	90	6.52	0.89
				3	94	7.19	0.89
				4	99	9.01	0.93
			SLENDERHEAD CARTER	1	65	2.78	0.95
				2	60	1.93	0.89
				3	54	1.52	0.87
				4	61	2.04	0.90
B	08 04 89	CARP		1	300	362.00	1.34
		STRIPED SKINNER		1	108	14.60	1.16
				2	112	14.84	1.06
				3	102	9.99	0.94
		ROCKY SWIMMER		1	51	1.64	1.24
		SLIMY ROSE KINNOW		1	56	1.86	1.06
		QUILLBACK		1	430	959.00	1.21
				2	361	555.00	1.18
		GOLDEN REDHORSE		1	264	183.00	0.99
				2	225	129.00	1.13
				3	124	13.00	0.68
				4	116	9.00	0.58
				5	105	7.00	0.60
				6	105	15.00	1.12
				7	115	17.00	1.12
				8	125	19.00	0.97
				9	115	15.00	0.99
				10	106	12.00	1.01
				11	111	15.00	1.10
				12	111	14.00	1.02
		SHORTHEAD REDHORSE		1	410	892.00	0.71
		BROOK SILVERSIDE		1	67	3.28	0.50
				2	41	0.56	0.81
		ROCK BASS		1	115	25.00	1.64
				2	86	10.00	1.57
				3	86	12.00	1.89
				4	72	8.00	2.14
		GREEN SUNFISH		1	130	47.00	2.14
		ORANGESPOTTED SUNFISH		1	95	13.00	1.32
				2	90	11.00	1.65
				3	87	11.00	1.62
				4	75	9.00	2.13
		BLUEGILL		1	113	19.00	1.25
				2	56	4.00	2.28
		LONGEAR SUNFISH		1	112	11.00	1.71
				2	111	20.00	1.46
				3	111	24.00	1.80
				4	124	21.00	1.87
				5	94	14.00	1.69
				6	107	22.00	1.80
				7	71	7.00	1.96
				8	111	26.00	2.05
				9	71	7.00	1.96
				10	55	2.94	1.77
				11	46	2.08	2.14
		SMALLMOUTH BASS		1	310	356.00	1.19
				2	129	18.00	0.84
				3	108	11.00	0.92
				4	125	19.00	0.97
				5	149	25.00	0.17
				6	107	11.00	0.90
				7	190	84.00	1.22
				8	109	14.00	1.08
				9	150	30.00	0.89
				10	98	10.00	1.06
				11	177	61.00	1.10
				12	105	12.00	1.04
				13	110	14.00	1.05
				14	91	8.87	1.16

APPENDIX C-1. FISH CATCH IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING JULY/AUGUST 1981.

STN	REF	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTG
NR	B	08 04 89	LARGEMOUTH BASS	1	201	98.00	1.21
				2	51	1.84	1.46
			LOOPERCH	1	99	8.79	0.91
				2	92	6.72	0.86
				3	86	5.45	0.86
				4	91	6.93	.92
			SLNDERHEAD DARTER	1	66	2.09	.27
				2	53	2.85	1.06
			LONGNOSE GAR	1	119	2.00	0.12
			GIZZARD SHAD	1	27	0.21	1.07
C	08 07 89		CARP	2	33	0.37	1.03
				1	295	620.00	1.84
				2	402	700.00	1.08
				3	395	810.00	1.31
			STRIPED SHINER	1	100	11.36	1.14
				2	105	11.00	0.95
				3	85	6.29	1.04
			SAND SHINER	1	70	7.23	0.77
			BLUNTHOSE MINNOW	2	51	2.74	2.11
				3	53	2.05	1.98
			BULLHEAD MINNOW	4	55	3.17	1.91
				1	67	2.90	0.96
				2	46	1.02	0.92
				3	52	1.23	0.87
				4	54	1.85	1.05
				5	51	1.21	0.91
			GOLDEN REDHORSE	1	155	35.00	0.94
				2	122	18.00	1.99
				3	133	25.00	1.06
				4	114	15.00	1.01
				5	124	19.00	1.00
				6	117	14.00	0.87
				7	114	13.00	0.88
				8	106	13.00	1.16
				9	115	12.00	0.79
				10	122	15.00	0.83
				11	112	12.00	0.85
				12	136	20.00	0.80
				13	116	11.00	0.47
				14	118	15.00	0.61
				15	107	11.00	0.90
				16	108	14.00	1.11
			SHORTHEAD REDHORSE	1	350	485.00	0.82
				2	349	392.00	0.92
				3	335	375.00	1.00
				4	141	25.00	0.89
			BROOK SILVERSIDE	1	51	0.71	0.54
				2	42	0.42	0.57
				3	47	0.56	0.54
				4	44	0.49	0.58
			GREEN SUNFISH	1	85	10.00	1.47
			ORANGESPOTTED SUNFISH	1	84	11.00	1.61
				2	91	0.00	1.33
				3	95	14.00	1.63
			BLUEGILL	1	86	10.00	1.57
			LONGEAR SUNFISH	1	119	38.00	2.25
				2	112	27.00	1.92
				3	110	24.00	1.80
				4	116	23.00	.47
				5	111	24.00	1.75
				6	88	14.00	1.19
				7	74	6.00	1.48
				8	86	13.00	2.04
			SMALLMOUTH BASS	1	223	128.00	1.15
				2	113	14.00	0.97
				3	114	14.00	0.94
				4	94	7.00	0.84
				5	136	25.00	0.99
				6	159	78.00	0.72
				7	115	17.00	1.12
				8	112	10.00	0.71
				9	113	10.00	0.69
				10	118	55.00	0.98
				11	107	11.00	0.90
				12	141	28.00	1.00
				13	94	9.00	1.08
				14	110	12.00	0.90
				15	112	15.00	1.07
				16	88	5.00	0.73
				17	96	9.00	1.02
				18	92	9.00	1.15
				19	87	7.00	1.06
			LOOPERCH	20	46	1.31	1.35
				1	97	8.45	0.93
				2	89	6.03	0.86
				3	91	7.15	0.95
			SLNDERHEAD DARTER	1	62	2.16	0.91
				2	65	2.68	0.98
			CARP	1	315	470.00	1.50
D	08 10 89		SILVER REDHORSE	1	155	43.00	1.15
			GOLDEN REDHORSE	1	217	23.00	0.23
				2	163	45.00	1.04
				3	133	26.00	1.11
				4	119	18.00	1.07
			ROCK BASS	1	223	235.00	2.12
			ORANGESPOTTED SUNFISH	1	98	15.00	1.59
			LONGEAR SUNFISH	1	76	10.00	2.28
				2	89	5.00	2.43
			SMALLMOUTH BASS	1	359	630.00	1.36
				2	175	54.00	1.01
				3	157	39.00	1.01
				4	140	24.00	0.87
				5	152	34.00	0.97
				6	96	8.00	0.90
				7	100	11.00	1.10
				8	112	11.00	0.78
				9	115	11.00	0.72

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REF	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	MTL
NR	0	08 10 89	LOOPERCH	1	112	11.56	0.82
				2	98	8.53	1.01
				3	61	7.42	0.94
				4	86	6.10	0.96
				1	66	2.67	0.93
			SLENDERHEAD DARTER	1	286	380.00	1.45
SL	A	08 01 89	FRESHWATER DRUM	1	227	104.00	0.89
			GIZZARD SHAD	2	191	54.00	0.71
				2	213	63.00	0.65
				4	217	90.00	0.88
				1	142	41.38	1.43
			RUDD	1	384	780.00	1.38
			CARP	2	408	890.00	1.25
				3	293	390.00	1.55
				4	268	290.00	1.51
				5	211	160.00	1.70
				6	288	330.00	1.38
				7	416	960.00	1.35
				8	200	217.00	2.71
			GOLDEN SHINER	1	167	43.00	0.92
				2	90	7.62	1.05
			GHOST SHINER	1	41	0.48	0.70
			STRIPED SHINER	1	76	4.30	0.98
				2	98	8.00	0.85
				3	71	2.97	0.83
			MIRIC SHINER	1	52	1.04	0.74
				2	47	0.81	0.78
			BLUNTHOSE MINNOW	1	70	3.87	1.13
				2	73	4.16	1.07
				3	76	4.62	1.05
				4	57	1.74	0.94
				5	57	1.44	0.78
				6	56	1.73	0.90
			BULLHEAD MINNOW	1	51	1.31	0.99
				2	46	1.17	1.20
				3	46	1.07	1.10
			QUILLBACK	1	324	550.00	1.14
				2	347	480.00	1.15
			SMALLMOUTH BUFFALO	1	187	100.00	1.31
				2	48	1.22	1.19
			SPOTTED BUCKER	1	139	24.00	0.89
				2	135	18.00	0.77
			RIVER REDHORSE	1	617	2408.00	1.11
				2	640	2408.00	0.99
			GOLDEN REDHORSE	1	433	855.00	1.05
				2	120	19.00	0.87
				3	114	17.55	1.18
				4	128	23.98	1.14
				5	95	9.82	1.15
			BLACK BULLHEAD	1	180	71.00	1.22
				2	220	188.00	1.20
				3	199	105.00	1.13
				4	214	113.00	1.15
				5	157	60.00	1.55
			YELLOW BULLHEAD	1	135	98.00	1.55
				2	193	99.00	1.32
			BLACKSTRIPED TOPMINNOW	1	98	1.60	0.92
			BROOK SILVERSIDE	1	92	3.48	0.45
				2	86	3.18	0.50
			ROCK BASS	1	200	121.00	1.51
				2	85	13.00	2.12
				3	91	13.00	1.73
				4	82	8.00	1.45
				5	141	61.00	2.18
				6	200	154.00	1.92
				7	51	22.00	2.65
				8	95	13.00	1.52
				9	105	19.00	1.64
				10	90	13.00	1.78
				11	84	10.00	1.69
				12	80	10.00	1.95
				13	68	3.96	2.07
				14	65	5.67	2.08
			GREEN SUNFISH	1	127	29.00	1.42
				2	167	96.00	2.08
				3	132	47.00	2.04
				4	146	56.00	1.80
				5	110	22.00	1.31
				6	105	21.00	1.81
				7	110	5.00	0.38
				8	108	22.00	1.75
				9	74	5.02	2.23
				10	71	7.73	2.16
				11	68	6.93	2.50
				12	78	9.75	2.05
				13	73	7.63	1.96
				14	68	6.35	2.02
				15	50	3.49	1.99
				16	55	3.40	2.10
				17	67	2.39	2.30
				18	48	2.27	2.05
				19	43	1.62	2.04
				20	43	1.65	2.08
				21	44	1.66	1.95
			WARMOUTH	1	170	119.00	2.34
				2	111	26.00	1.90
			ORANGESPOTTED SUNFISH	1	78	17.00	2.58
				2	113	36.00	2.63
				3	95	25.00	2.92
				4	73	18.00	4.63
				5	96	15.00	1.70
				6	87	13.00	1.97
				7	67	3.00	1.00
				8	87	12.00	1.82
				9	94	16.00	1.93
				10	93	15.00	1.86
				11	86	5.00	1.65
				12	97	16.00	1.75

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTG
30	A	08 01 89	ORANGESPOTTED SURFISH	13	78	7.00	1.48
				14	64	3.00	1.14
				15	68	4.00	1.27
				16	93	12.00	1.49
				17	63	4.00	1.60
				18	95	16.00	1.87
				19	90	15.00	2.06
				20	69	4.00	1.22
				21	84	11.00	1.86
				22	70	6.00	1.75
				23	61	3.00	1.32
				24	59	2.00	0.97
				25	65	2.00	0.73
				26	54	1.00	0.64
				27	89	10.00	1.42
				28	77	9.56	2.09
				29	66	4.86	1.69
				30	64	4.26	1.70
				31	60	3.57	1.62
				32	64	4.22	1.61
				33	57	3.16	1.81
				34	61	4.10	1.81
				35	56	2.73	1.55
				36	58	3.86	1.68
				37	60	3.70	1.71
				38	55	2.63	1.58
				39	56	3.09	1.76
				40	47	1.72	1.06
				41	51	2.05	1.55
				42	57	2.90	1.57
				43	53	2.41	1.62
				44	51	2.05	1.55
			BLUEGILL	1	80	9.00	1.76
				2	125	38.00	1.95
				3	80	8.00	1.56
				4	146	62.00	1.99
				5	84	8.00	1.35
				6	88	11.00	1.21
				7	86	10.00	1.57
				8	70	5.00	1.46
				9	85	10.00	1.63
				10	88	11.00	1.61
				11	85	10.00	1.63
				12	87	11.00	1.67
				13	87	8.00	1.21
				14	82	9.99	1.61
				15	69	5.47	1.67
				16	64	5.47	1.71
				17	72	6.49	1.74
				18	72	4.91	1.65
				19	77	8.20	1.80
				20	70	5.93	1.73
				21	70	6.13	1.79
				22	74	6.82	1.68
				23	64	4.57	1.74
				24	87	11.89	1.81
				25	70	9.29	1.81
				26	61	3.82	1.66
				27	62	4.22	1.77
				28	61	3.68	1.62
				29	67	5.69	1.89
				30	71	6.58	1.84
				31	60	6.79	1.72
				32	70	6.21	1.81
				33	64	4.52	1.72
				34	62	3.99	1.67
				35	63	4.41	1.76
				36	66	4.87	1.69
				37	56	3.12	1.60
				38	56	2.79	1.59
				39	55	2.68	1.61
				40	55	2.29	1.28
				41	53	2.13	1.43
			LONGEAR SUNFISH	1	80	10.00	1.95
				2	74	7.00	1.73
				3	129	55.00	2.56
				4	91	13.00	1.73
				5	113	28.00	1.94
				6	84	12.00	2.02
				7	91	14.00	1.86
				8	87	11.00	1.67
				9	85	11.00	1.79
				10	87	12.00	1.82
				11	70	7.23	2.11
				12	67	6.29	2.09
				13	66	5.14	1.79
				14	71	8.35	2.33
				15	70	7.19	2.10
				16	75	7.94	1.88
				17	77	9.99	2.19
				18	66	5.98	2.07
				19	59	4.24	2.06
				20	63	5.23	2.09
				21	56	3.79	2.16
				22	61	4.67	2.06
				23	52	2.72	1.93
				24	53	3.87	2.60
				25	46	1.61	1.86
				26	45	1.56	1.71
				27	46	1.67	1.92
			SMALLMOUTH BASS	28	29	0.49	2.07
				1	101	9.00	0.87
				2	160	46.00	1.12
				3	108	12.00	0.95
				4	63	5.00	0.87
				5	141	28.00	1.00
				6	85	6.38	1.04
				7	109	13.33	1.03

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REF	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	MTL
2L	A	08 01 89	SMALLMOUTH BASS	8	101	11.99	1.16
			LARGEMOUTH BASS	1	210	125.00	1.35
				2	194	97.00	1.33
				3	233	202.00	1.60
				4	95	9.69	1.11
				5	55	1.67	1.10
				6	57	2.42	1.31
				7	55	2.38	1.43
				8	51	1.27	0.96
			WHITE CRAPPIE	1	112	16.00	1.28
			JOHNNY DARTER	1	52	0.99	0.70
			LOGPERCH	1	96	7.89	0.89
			SLENDERHEAD DARTER	1	66	2.49	0.71
				2	65	2.08	0.76
B	08 04 89		LONGNOSE GAR	1	133	6.00	0.26
				2	114	4.00	0.27
			GIZZARD SHAD	1	199	78.00	0.99
				2	181	62.00	1.05
				3	190	64.00	0.93
				4	250	112.00	0.72
				5	188	63.00	0.96
				6	191	72.00	1.03
				7	198	74.00	0.95
				8	209	82.00	0.90
			CARP	1	256	1950.00	1.13
				2	400	820.00	1.28
				3	407	870.00	1.22
				4	381	650.00	1.18
				5	386	750.00	1.30
				6	383	730.00	1.30
				7	419	930.00	1.26
			GOLDEN SHINER	1	121	18.00	1.02
			GHOST SHINER	1	41	0.72	1.04
			KIRK SHINER	1	48	1.09	0.99
				2	46	1.08	1.12
			BLUNTNOST KIRKOW	1	27	0.31	1.51
				2	25	1.70	1.02
				3	50	1.38	1.10
				4	60	1.66	0.49
			QUILLBACK	1	386	720.00	1.23
				2	430	930.00	1.17
				3	385	640.00	1.12
				4	307	310.00	1.01
			SMALLMOUTH BUFFALO	1	203	116.00	1.39
				2	138	30.00	1.14
			GOLDEN REDHORSE	1	113	16.00	1.31
			SHORTHEAD REDHORSE	1	167	62.00	0.95
				2	154	37.00	1.01
			BLACK BULLHEAD	1	209	116.00	1.27
				2	202	113.00	1.37
			YELLOW BULLHEAD	1	178	76.00	1.39
			BROWN SILVERSIDE	1	34	0.38	0.97
			ROCK BASS	1	87	18.00	1.97
				2	69	5.00	1.52
				3	97	15.00	1.34
				4	85	12.00	1.95
				5	96	14.00	1.58
				6	87	12.00	1.62
			GREEN SUNFISH	1	151	57.00	1.66
				2	152	61.00	1.74
				3	146	53.00	1.70
				4	79	9.00	1.63
				5	85	9.00	1.47
				6	85	18.00	2.55
				7	81	9.00	1.57
				8	113	36.00	1.53
				9	66	6.14	2.14
				10	70	7.89	2.30
				11	57	3.10	2.20
				12	51	2.67	2.01
				13	55	3.33	2.00
				14	82	2.85	1.62
				15	51	2.89	2.18
				16	40	1.27	1.98
				17	23	0.31	2.55
			WARMOUTH	1	141	62.00	2.21
				2	81	14.00	2.63
			ORANGESPOTTED SUNFISH	1	96	14.00	1.56
				2	89	13.00	1.64
				3	62	3.00	1.26
				4	95	19.00	2.22
				5	96	19.00	2.15
				6	85	11.00	1.79
				7	69	5.00	1.52
				8	85	11.00	1.79
				9	71	7.00	1.96
				10	86	11.00	1.73
				11	79	5.00	1.01
				12	71	8.00	2.24
				13	76	11.00	2.51
				14	77	8.00	1.75
				15	71	5.00	1.40
				16	78	9.37	1.97
				17	63	5.08	2.02
				18	70	6.69	2.01
				19	61	4.26	1.88
				20	58	3.73	1.91
				21	60	3.96	1.83
				22	60	3.89	1.40
				23	26	0.56	3.19
			BLUEDILL	1	154	63.00	2.55
				2	128	33.00	1.57
				3	62	12.00	2.18
				4	78	7.00	1.48
				5	99	12.00	1.24
				6	76	8.00	1.82
				7	70	4.00	1.17
				8	65	5.55	1.77

APPENDIX D-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	MTL
5L	B	08 04 89	BLUEGILL	9	84	4.58	1.75
				10	74	6.58	1.62
				11	58	3.15	1.72
				12	56	2.93	1.67
				13	52	2.29	1.70
				14	42	2.55	1.61
			LONGEAR SUNFISH	1	121	48.00	2.71
				2	99	19.00	1.96
				3	85	11.00	1.79
				4	97	19.00	2.08
				5	89	16.00	2.27
				6	86	13.00	2.04
				7	90	17.00	2.33
				8	68	7.00	2.23
				9	86	6.17	2.15
				10	67	5.67	2.95
				11	52	2.79	1.98
				12	52	3.16	2.25
				13	53	3.14	2.11
				14	50	2.52	2.02
				15	45	1.75	1.92
				16	44	1.77	2.08
				17	48	2.36	2.23
				18	42	1.67	2.23
				19	39	1.27	2.31
			SMALLMOUTH BASS	1	188	47.00	0.95
				2	109	13.00	1.00
			LARGEMOUTH BASS	1	244	185.00	1.27
				2	214	116.00	1.18
				3	196	91.00	1.21
				4	91	8.34	1.11
				5	45	1.33	1.46
				6	50	1.83	1.46
				7	41	1.18	1.71
			C LONGNOSE GAR	1	122	2.36	0.13
				2	116	1.72	0.10
				3	113	1.88	0.13
				4	109	1.81	0.14
			BOWFIN	1	162	42.00	0.99
			GIZZARD SHAD	1	320	227.00	0.69
				2	192	49.00	0.69
				3	196	73.00	0.87
				4	216	104.00	1.05
				5	204	66.00	1.01
				6	212	94.00	0.99
				7	206	85.00	0.97
				8	218	103.00	0.99
				9	303	213.00	0.77
				10	255	128.00	0.83
				11	215	89.00	0.90
				12	226	113.00	0.98
				13	194	61.00	0.84
				14	218	93.00	0.90
				15	223	78.00	0.70
				16	240	136.00	0.98
				17	205	86.00	1.00
				18	226	123.00	1.04
				19	202	84.00	1.02
				20	204	83.00	0.98
				21	208	82.00	0.91
				22	198	79.00	1.02
				23	29	0.27	1.11
				24	66	2.78	0.87
				25	60	2.21	1.02
			GRASS PICKEREL	1	81	2.74	0.52
			CARP	1	540	850.00	0.54
				2	244	181.00	1.25
				3	368	608.00	1.38
				4	374	665.00	1.27
				5	304	445.00	1.58
				6	95	13.68	1.59
			GOLDEN SHINER	1	82	3.39	0.61
			STRIPED SHINER	1	88	2.50	0.80
				2	84	4.07	0.69
				3	80	4.31	0.84
				4	85	5.11	0.83
				5	80	4.68	0.91
				6	92	6.32	0.81
			SPOTFIN SHINER	1	24	0.18	1.30
				2	21	0.10	1.08
			BLUNTNOST MINNOW	1	76	3.50	0.80
				2	56	1.41	0.80
				3	62	2.00	0.84
				4	49	0.71	0.60
			QUILLBACK	1	208	107.00	1.19
				2	169	54.00	1.12
				3	192	87.00	1.23
				4	178	68.00	1.21
				5	195	86.00	1.16
				6	41	0.71	1.03
			SPOTTED SUCKER	1	172	42.00	0.83
				2	155	36.00	0.97
			GOLDEN REDHORSE	1	111	12.00	0.88
				2	115	15.00	0.99
				3	112	14.00	1.00
				4	122	20.00	1.10
				5	114	17.00	1.15
				6	122	16.27	1.01
			BLACK BULLHEAD	1	161	47.00	1.13
			YELLOW BULLHEAD	1	138	29.00	1.10
				2	118	18.00	1.10
				3	160	74.00	1.27
			PIRATE PERCH	1	93	12.25	1.52
			BROOK SILVERSIDE	1	49	0.54	0.86
			YELLOW BASS	1	56	1.85	1.05
			ROCK BASS	1	220	220.00	2.07
				2	196	16.00	0.21
				3	120	28.00	1.62

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO	LENGTH (MM)	WEIGHT (G)	MTL
5L	C	06 07 89	ROCK BASS	4	101	16.00	1.94
				5	115	25.00	1.64
				6	110	22.00	1.65
				7	93	13.00	1.62
				A	51	1.40	1.89
			GREEN SUNFISH	1	140	44.00	1.60
				2	169	81.00	1.66
				3	146	44.00	1.41
				4	128	29.00	1.38
				5	125	30.00	1.54
				6	154	67.00	1.83
				7	142	38.00	1.13
				8	153	60.00	1.68
				9	145	53.00	1.74
				10	122	29.00	1.60
				11	140	40.00	1.46
				12	110	24.00	1.80
				13	126	32.00	1.60
				14	80	10.00	1.83
				15	121	23.00	1.30
				16	89	11.00	1.56
				17	150	58.00	1.72
				18	112	25.00	1.78
				19	86	10.00	1.57
				20	87	12.57	1.91
				21	81	9.57	1.60
				22	76	9.19	2.09
				23	81	6.43	1.71
				24	67	5.17	1.72
				25	63	4.57	1.83
				26	65	4.89	1.78
				27	56	3.57	2.03
				28	52	2.32	1.65
				29	55	2.51	1.51
				30	49	2.15	1.83
				31	45	1.53	1.68
				32	43	1.30	1.64
				33	21	0.20	2.16
			WARMOUTH	1	194	82.00	2.25
				2	145	59.00	1.94
				3	124	37.00	1.94
			ORANGESPOTTED SUNFISH	1	94	12.00	1.74
				2	92	13.00	1.67
				3	88	12.00	1.76
				4	80	8.00	1.56
				5	68	7.00	2.23
				6	80	8.00	1.56
				7	80	9.00	1.76
				8	94	15.00	1.61
				9	120	15.00	0.87
				10	98	16.00	1.70
				11	88	10.00	1.57
				12	85	1.90	0.64
				13	69	1.85	0.56
				14	76	7.95	1.81
				15	58	2.95	1.51
				16	67	4.67	1.55
				17	57	2.61	1.52
			BLUEGILL	1	56	1.00	1.71
				2	78	18.00	3.79
				3	146	57.00	1.83
				4	60	3.14	1.45
				5	86	7.58	1.19
				6	72	5.17	1.39
				7	57	2.73	1.46
				8	61	1.34	1.49
				9	70	4.65	1.36
				10	66	4.42	1.54
				11	55	2.24	1.35
				12	63	3.83	1.53
			LONGEAR SUNFISH	1	121	31.00	1.75
				2	92	15.00	2.05
				3	81	10.00	1.88
				4	71	6.00	1.68
				5	90	13.00	1.78
				6	118	36.00	2.31
				7	121	33.00	1.86
				8	66	4.61	1.53
				9	64	4.45	1.70
				10	71	6.21	1.74
				11	70	5.60	1.63
				12	74	7.41	1.83
				13	65	4.42	1.67
				14	61	3.68	1.62
				15	48	1.91	1.73
				16	50	1.93	1.54
				17	47	1.59	1.53
				18	40	1.05	1.64
			REDEAR SUNFISH	1	119	33.94	2.01
			SMALLMOUTH BASS	1	126	22.00	1.02
				2	89	8.00	1.13
				3	117	15.00	0.94
				4	126	18.00	0.90
				5	162	40.00	0.94
				6	96	9.99	1.06
				7	97	8.84	0.95
				8	90	7.72	1.06
				9	180	69.00	1.16
			LARGEMOUTH BASS	2	105	10.00	0.86
				3	111	15.00	1.10
				4	100	12.00	1.20
				5	18	10.43	1.11
				6	65	3.20	1.17
				7	57	1.88	1.02
				8	56	1.23	0.70
				9	65	3.26	1.19
				10	45	1.02	1.12
				11	56	1.90	1.08

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	MTL
34	C	08 07 89	LOOPERCH	1	94	7.35	0.68
				1	159	8.00	0.15
	C	08 10 89	LONGNOSE GAR	1	222	106.00	0.97
				2	170	47.00	0.96
			GIZZARD SHAD	3	214	107.00	1.09
				4	107	8.00	0.65
				5	185	70.00	1.11
				6	198	87.00	1.06
				7	198	75.00	0.94
				8	263	233.00	1.03
				9	220	109.00	1.00
				10	235	128.00	0.99
				11	205	79.00	0.92
				12	190	69.00	1.01
				13	185	50.00	0.79
				14	195	54.00	0.73
				15	186	59.00	0.92
				16	209	92.00	1.01
				17	214	98.00	0.99
				18	193	74.00	1.03
				19	226	101.00	0.87
				20	200	79.00	0.99
				21	191	75.00	1.08
				22	185	60.00	0.95
				23	197	69.00	0.90
				24	187	65.00	0.99
				25	215	100.00	1.01
				26	197	75.00	0.98
				27	213	118.00	0.83
				28	215	123.00	0.95
				29	41	0.55	0.66
				30	36	0.35	0.89
				31	37	0.49	0.97
				32	39	0.57	0.96
				33	36	0.37	0.79
			GOLDFISH	1	208	74.00	0.82
				1	153	57.76	1.61
			RUDD	1	260	276.00	1.28
				2	115	54.00	2.19
			CARP	1	368	650.00	1.30
				4	375	630.00	1.19
				5	201	114.00	1.40
				6	123	25.00	1.34
				7	153	50.00	1.40
				1	110	12.00	0.90
			GOLDEN SHINER	1	116	15.76	1.01
				2	102	7.00	0.66
			GHOST SHINER	1	90	0.93	0.74
				1	48	0.81	0.73
			SAND SHINER	1	372	650.00	1.26
				2	410	630.07	1.20
			QUILLBACK	3	205	100.00	1.16
				4	195	83.00	1.12
			SMALLMOUTH BUFFALO	1	195	96.00	1.29
				2	68	4.23	1.35
			SPOTTED SUCKER	1	156	37.00	0.94
				2	340	266.00	0.68
				2	162	47.00	0.99
				1	177	56.00	1.01
			SILVER REDHORSE	1	284	210.00	0.92
				2	128	30.00	1.43
			GOLDEN REDHORSE	3	121	17.00	0.96
				1	206	98.00	1.12
			BLACK BULLHEAD	2	162	50.00	1.18
				3	190	76.00	1.11
				4	182	79.00	1.18
				5	182	89.00	1.14
				6	95	9.00	1.05
				7	174	54.00	1.03
				8	111	14.00	1.02
				1	166	60.00	1.31
			YELLOW BULLHEAD	1	208	183.00	2.03
				2	76	8.00	1.82
			ROCK BASS	3	97	15.00	1.64
				4	82	5.00	1.45
				5	128	37.00	1.76
				6	100	18.00	1.40
			GREEN SUNFISH	1	26	4.00	2.26
				2	55	2.00	1.20
				3	135	39.00	1.56
				4	132	34.00	1.48
				5	143	55.00	1.88
				7	23	0.11	0.90
			WARMOUTH	1	150	51.00	1.51
				1	103	16.00	1.46
				2	151	79.00	2.21
				1	94	14.00	1.69
			ORANGESPOTTED SUNFISH	2	74	6.00	1.48
				3	81	9.00	1.69
				4	91	11.00	1.46
				5	61	2.00	0.88
				6	71	5.00	1.40
				7	93	13.00	1.62
				8	86	11.00	1.73
				9	76	9.00	2.05
				10	67	5.00	1.66
				11	64	4.00	1.53
				12	52	2.12	1.91
				1	73	7.00	1.53
			BLUEGILL	2	114	28.00	1.89
				3	61	3.00	1.32
				4	99	16.00	1.65
				5	67	4.00	1.33
				6	87	5.00	1.66
				7	110	23.00	1.73
				8	79	8.34	1.69
				9	67	5.42	1.80
				10	87	5.70	1.90

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1969 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	RTL
DL	D	08 10 69	BLUFGILL	11	61	3.96	1.74
				12	61	3.81	1.68
				13	57	3.16	1.71
				14	59	3.16	1.54
				15	63	2.85	1.70
			LONGEAR SUNFISH	1	90	12.00	1.65
				2	122	33.00	1.82
				3	30	0.42	1.56
			REDEAR SUNFISH	1	119	29.85	1.77
				1	179	55.00	1.01
			SMALLMOUTH BASS	2	107	13.00	1.08
				3	150	35.00	1.04
				4	107	12.00	0.98
				5	85	7.00	1.14
				6	112	12.00	0.85
				7	95	7.00	0.82
				8	127	14.00	0.91
				9	90	6.00	0.82
				10	97	6.00	0.88
			LARGEMOUTH BASS	1	309	388.00	1.32
				2	202	115.00	1.40
				2	200	96.00	1.20
				4	88	6.14	1.20
SR	A	08 01 69	BLACK CRAPPIE	1	228	312.00	2.63
				4	118	19.00	1.16
			BLACKSIDE DARTER	1	75	1.90	0.92
				1	544	310.00	0.19
			LONGNOSE GAR	2	518	215.00	0.15
				1	205	70.00	0.81
			DIZZARD SHAD	2	190	65.00	0.95
				3	167	57.00	0.87
				4	186	59.00	0.92
				5	203	74.00	0.88
				6	179	53.00	0.92
				7	197	80.00	1.05
				8	192	74.00	1.05
				9	189	52.00	0.77
				10	144	62.00	0.90
				11	186	59.00	0.89
				12	196	68.00	0.90
				13	203	74.00	0.88
				14	185	64.00	1.01
			CARP	15	175	69.00	1.29
				16	189	62.00	0.92
				17	181	61.00	1.06
				1	400	780.00	1.22
				2	397	870.00	1.39
				3	427	900.00	1.16
				4	469	1260.00	1.22
				5	407	890.00	1.37
				6	388	790.00	1.25
				7	350	800.00	1.25
				8	444	1030.00	1.18
				9	267	340.00	1.79
				10	314	415.00	1.34
				11	357	570.00	1.25
				12	390	530.00	1.23
			GOLDEN SHINER	13	382	700.00	1.26
				14	405	850.00	1.25
				15	390	800.00	1.35
				1	75	4.32	1.02
			BLUNTHOSE MINNOW	1	65	2.85	0.96
				1	172	62.00	1.22
			GULLBACK	1	228	173.00	1.46
				2	216	141.00	1.36
			SMALLMOUTH BUFFALO	3	209	112.00	1.23
				1	360	510.00	1.09
			SPOTTED SUCKER	1	185	42.00	0.91
				1	273	185.00	0.91
			SILVER REDHORSE	2	194	42.00	1.15
				3	119	17.00	1.01
			GOLDEN REDHORSE	4	109	14.71	1.14
				1	198	170.00	2.19
			ROCK BASS	2	199	150.00	1.90
				3	176	32.00	1.60
			ORANGESPOTTED SUNFISH	4	165	21.00	1.81
				5	99	16.00	1.65
			LONGEAR SUNFISH	1	80	10.00	1.95
				2	100	19.00	1.90
				3	66	10.00	3.48
				4	97	28.00	3.07
				5	85	10.00	1.63
				6	70	6.00	1.75
				7	77	8.00	1.75
				8	102	17.00	1.60
				9	80	7.00	1.37
				10	72	6.00	1.37
				11	68	6.15	1.96
				12	67	5.38	1.79
				13	54	2.81	1.78
			BLUEGILL	14	58	3.28	1.68
				15	56	3.12	1.78
			LONGEAR SUNFISH	1	85	10.00	1.63
				2	109	22.00	1.70
				3	63	4.67	1.87
				4	68	5.42	1.89
				5	60	4.18	1.92
				6	56	3.11	1.77
				1	115	33.00	2.17
				2	118	41.00	2.50
				3	63	11.00	1.92
				4	98	27.00	2.87
				5	114	40.00	2.70
				6	115	40.00	2.63
				7	97	28.00	2.89
				8	100	19.00	1.90
				9	61	4.00	1.76

APPENDIX 5-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED)

STR	REF	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KT/L
58	A	08 P1 89	LONGEAR SUNFISH	10	67	6.00	1.99
				11	93	16.00	1.99
				12	76	10.00	2.28
				13	80	9.00	1.76
				14	72	6.00	1.61
				15	96	13.00	1.47
				16	93	15.00	1.86
				17	73	4.00	1.03
				18	89	9.75	2.11
				19	52	2.66	1.89
				20	64	5.06	1.93
				21	66	5.70	1.98
				22	56	3.42	1.95
				23	65	5.27	1.93
				24	58	3.46	1.97
				25	51	2.85	2.02
				26	51	2.64	1.99
			SMALLMOUTH BASS	1	157	44.00	1.16
				2	167	56.00	1.20
				3	95	9.00	1.05
				4	97	11.87	1.30
			LARGEMOUTH BASS	5	84	6.95	1.17
				6	85	7.41	1.21
				7	82	6.27	1.14
				1	160	51.00	1.25
			LOOPERCH	2	183	72.00	1.17
				3	110	13.00	0.98
				4	107	12.00	0.98
				1	89	5.34	0.79
8	08 04 89		BLACKSIDE DARTER	2	89	5.31	0.75
				3	53	1.18	0.79
			GIZZARD SHAD	1	67	2.60	0.86
				1	200	78.00	0.97
			CARP	2	207	93.00	1.05
				3	222	106.00	0.96
				4	210	84.00	0.91
				5	107	17.00	1.39
				6	185	60.00	0.97
				7	180	61.00	1.05
				8	189	61.00	0.90
				9	199	65.00	0.82
				10	185	56.00	0.88
				11	217	68.00	0.86
				1	310	406.00	1.37
			SAND SHINER	2	373	674.00	1.30
				3	475	630.00	0.59
				4	313	428.00	1.40
				1	28	0.43	1.08
			REDFIN SHINER	1	57	1.64	0.89
			SUCKERMOUTH MINNOW	1	45	0.94	1.03
			BLUNTNOST MINNOW	1	62	2.47	1.04
			BULLHEAD MINNOW	2	31	0.47	1.55
				1	46	1.22	1.25
			SMALLMOUTH BUFFALO	1	193	89.00	1.24
			ROCK BASS	2	192	92.00	1.30
				1	212	201.00	2.11
				2	190	141.00	2.08
				3	96	16.00	1.61
				4	98	16.00	1.70
				5	61	9.00	1.69
				6	125	25.00	1.79
				7	95	15.00	1.75
				8	87	16.00	1.75
				9	100	16.00	1.60
				1	107	20.00	1.63
			GREEN SUNFISH	2	105	20.00	1.73
				3	85	12.00	1.95
			ORANGESPOTTED SUNFISH	4	85	11.00	1.79
				5	47	2.04	2.00
				6	79	8.57	2.03
				1	95	14.00	1.63
			BLUEGILL	2	97	12.00	1.31
				3	70	7.00	2.04
				4	98	14.00	1.58
				5	72	6.00	1.61
				6	60	6.00	1.85
				7	83	10.00	1.75
				8	95	14.00	1.63
				9	97	16.00	1.75
				10	98	14.00	1.58
				11	97	17.00	1.86
				12	97	15.00	1.64
				13	95	17.00	1.98
				14	78	8.00	1.69
				15	72	6.72	1.60
				16	64	6.43	1.69
				17	57	3.29	1.78
			LONGEAR SUNFISH	1	87	10.00	1.52
				2	87	10.00	1.52
				3	97	15.00	1.64
				4	73	7.00	1.80
				5	145	84.00	2.78
				6	103	16.00	1.46
				7	80	9.74	1.90
				8	63	4.74	1.79
				9	58	3.41	1.79
				10	60	3.86	1.79
				11	62	4.04	1.70
				12	62	4.13	1.73
				13	57	2.83	1.73
			LONGEAR SUNFISH	1	129	39.00	1.02
				2	114	25.00	1.19
				3	107	22.00	1.40
				4	123	41.00	2.20
				5	92	15.00	1.93
				6	100	19.00	1.90
			LONGEAR SUNFISH	7	93	15.00	1.66
				8	82	10.00	1.61

APPENDIX C-1. FISH CAUGHT IN THE KANNAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING JULY/AUGUST 1989 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	STL
58	B	08 04 89	LONGEAR SUNFISH	9	90	15.00	2.06
				10	81	11.34	2.13
				11	79	11.43	2.32
				12	76	10.04	2.29
				13	71	8.91	2.49
				14	70	8.32	2.41
				15	67	6.66	2.28
				16	68	8.08	2.57
				17	66	6.14	2.14
				18	61	5.00	2.20
				19	62	4.90	2.08
				20	67	5.10	2.25
				21	60	5.01	2.32
				22	61	4.36	1.92
				23	61	4.73	2.08
				24	53	2.92	1.96
				25	54	3.20	2.03
				26	44	1.79	2.10
			SMALLMOUTH BASS	1	101	11.00	1.07
				2	92	9.00	1.16
			LARGEMOUTH BASS	3	38	0.73	1.33
				1	125	21.00	1.08
				2	284	129.00	1.44
				3	225	125.00	1.19
				4	208	119.00	1.32
				5	111	14.00	1.02
				6	136	26.00	1.03
				7	98	11.00	1.17
				8	110	12.00	0.90
				9	106	10.00	0.84
				10	72	4.84	1.30
				11	57	2.17	1.17
				12	52	1.8	1.23
			BLACK CRAPPIE	1	114	17.00	1.15
			BLACKSIDE DARTER	1	77	4.56	1.00
				2	49	0.99	0.84
			LONGNOSE GAR	1	480	169.00	0.15
			GIZZARD SHAD	1	302	242.00	0.88
				2	302	236.00	0.86
				3	307	215.00	0.74
				4	170	47.00	0.85
				5	194	74.00	1.01
				6	244	124.00	0.85
				7	216	96.00	0.95
				8	169	52.00	1.08
				9	231	114.00	0.92
				10	112	14.00	1.00
				11	191	60.00	0.96
				12	202	76.00	0.92
			GRASS PICKEREL	1	91	4.13	0.95
			GZR	1	362	670.00	1.41
				2	407	755.00	1.12
				3	444	1010.00	1.15
			S/RIPE SHINER	1	31	0.35	1.14
			ROSYFACE SHINER	1	36	0.39	0.84
				2	33	0.26	0.72
			SPOTFIN SHINER	1	34	1.79	1.14
			REDFIN SHINER	1	55	1.44	0.87
			BLUNTNOST MINNOW	1	50	1.23	0.98
			BULLHEAD MINNOW	1	62	2.60	1.09
				2	52	1.37	0.97
				3	47	1.13	1.09
			QUILLBACK	1	170	68.00	1.19
				2	168	52.00	1.10
			SPOTTED SUCKER	1	165	40.00	0.89
				2	160	57.00	0.98
				3	171	44.00	0.88
			SILVER REDHORSE	1	175	58.00	1.08
				2	167	46.00	0.99
			GOLDEN REDHORSE	1	44	0.82	0.96
			BROOK SILVERTIDE	1	64	1.54	0.99
				2	48	0.65	0.99
				3	62	0.81	0.34
				4	52	0.84	0.60
				5	49	0.64	0.54
				6	51	0.74	0.56
				7	50	0.74	0.59
				8	46	0.57	0.59
				9	51	0.71	0.54
				10	48	0.60	0.54
				11	50	0.66	0.53
				12	45	0.57	0.63
				13	48	0.62	0.56
				14	44	0.52	0.61
				15	45	0.52	0.57
				16	42	0.47	0.63
			ROCK BASS	1	227	242.00	2.07
			OPEN SUNFISH	1	70	7.18	2.09
			ORANGE SPOTTED SUNFISH	1	106	22.00	1.75
				2	99	18.00	1.86
				3	70	4.00	1.75
				4	85	11.00	1.79
				5	62	10.00	1.81
				6	73	7.00	1.80
				7	75	6.00	1.42
				8	86	13.87	2.18
			BLUEDRILL	1	72	5.00	1.34
				2	70	5.40	1.63
				3	66	4.56	1.59
			LONGEAR SUNFISH	1	106	23.00	1.93
				2	95	14.00	1.63
				3	67	13.00	1.97
				4	97	14.00	1.53
				5	77	7.00	1.53
				6	73	8.22	2.11
				7	68	7.17	2.26
				8	66	5.82	2.02
				9	56	3.40	1.94

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED).

ST#	REP	DATE	SPECIES	ID	LENGTH MM	WEIGHT G	WTL
5R	C	08 07 89	LONGEAR SUNFISH	10	56	3.59	2.04
				11	55	2.93	1.78
				12	50	2.20	2.00
				13	51	2.51	1.89
			SMALLMOUTH BASS	1	171	50.00	1.00
				2	110	52.00	3.91
				3	93	5.00	0.62
				4	93	10.00	1.24
			LARGEMOUTH BASS	5	93	7.00	0.87
				1	137	28.00	1.09
				2	116	16.00	1.03
				3	111	13.00	0.95
				4	75	5.64	1.34
				5	65	2.84	1.03
				6	61	2.36	1.11
				7	40	0.89	1.39
0	08 10 89	GIZZARD SHAD		1	196	85.00	1.13
				2	219	102.00	0.97
				3	182	60.00	1.00
				4	75	4.00	0.95
				5	210	110.00	1.05
				6	194	74.00	1.01
				7	205	90.00	1.04
				8	201	84.00	1.01
				9	212	97.00	1.02
				10	105	3.34	0.29
			CARP	1	507	1520.00	1.17
			STRIPED SHINER	1	21	0.04	0.43
			BULLHEAD MINNOW	1	57	1.91	1.03
				2	50	1.12	0.90
				3	47	1.00	0.95
				4	51	1.15	0.87
			QUILLBACK	1	182	64.00	1.06
				2	179	69.00	1.20
			SPOTTED SUCKER	1	161	43.00	1.03
			SHORTHEAD REDHORSE	1	372	500.00	0.97
			ROCK BASS	1	118	30.00	1.83
				2	89	10.00	2.55
				3	100	18.00	1.80
				4	92	21.00	2.83
				5	102	20.00	1.88
				6	90	24.00	3.29
				7	76	9.00	2.05
				8	132	36.00	1.65
			GREEN SUNFISH	1	150	60.00	1.78
				2	141	48.00	1.71
				3	124	39.00	2.05
				4	99	19.00	1.96
				5	110	21.00	1.58
				6	90	13.00	1.78
				7	86	10.00	1.57
				8	84	9.00	1.52
				9	75	8.00	1.90
				10	70	6.00	1.75
				11	57	4.11	2.22
				12	58	3.95	2.02
				13	52	2.70	1.92
				14	51	2.26	1.70
			ORANGESPOTTED SUNFISH	1	100	19.00	1.90
				2	95	18.00	2.10
				3	77	13.00	2.61
				4	99	19.00	1.86
				5	90	13.00	1.78
				6	99	16.00	1.65
				7	103	10.00	0.92
				8	85	16.00	2.61
				9	80	10.00	1.95
				10	101	20.00	1.94
				11	79	7.00	1.42
			BLUEGILL	1	82	9.00	1.63
				2	71	6.00	1.68
				3	63	5.00	1.50
				4	51	2.70	2.04
			LONGEAR SUNFISH	1	110	31.00	2.33
				2	115	30.00	1.97
				3	121	40.00	2.26
				4	185	11.00	0.17
				5	87	10.00	1.52
				6	94	12.00	1.44
				7	118	38.00	2.31
				8	112	40.00	2.85
				9	112	33.00	2.35
				10	110	28.00	2.10
				11	67	6.08	2.02
				12	69	6.50	1.98
				13	60	3.92	1.81
				14	57	3.50	1.89
				15	51	2.36	1.76
				16	52	2.54	1.81
				17	48	1.53	1.75
			SMALLMOUTH BASS	1	151	38.00	1.10
				2	101	13.00	1.26
			LARGEMOUTH BASS	1	209	134.00	1.47
				2	124	16.00	0.84
				3	201	107.00	1.32
				4	126	23.00	1.15
				5	107	15.00	1.22
				6	64	3.24	1.24
				7	50	1.42	1.14
				8	51	0.76	1.10
6L	A	08 01 89	CARP	1	392	790.00	1.21
				2	498	1400.00	1.13
				3	309	455.00	1.54
				4	321	520.00	1.57
				5	308	455.00	1.56
				6	307	425.00	1.47
				7	294	365.00	1.44
				8	245	205.00	1.39

APPENDIX C-1 FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED)

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	MTL
6L	A	08 01 89	MURRAYHEAD CHUB	1	137	28.00	1.05
			SPOTTIN SHINER	1	77	5.86	1.08
			RIVER CARPSUCKER	1	393	750.00	1.24
			GILLBACK	1	47	6.1	1.36
			SILVER REDHORSE	1	177	56.00	1.05
			RIVER REDHORSE	2	176	56.00	1.03
				1	618	2120.00	0.90
			GOLDEN REDHORSE	2	184	620.00	1.09
				1	148	450.00	1.07
				2	505	1240.00	0.96
				3	132	20.00	0.87
				4	147	31.00	0.98
				5	120	17.00	0.98
				6	123	21.00	1.13
				7	115	14.00	0.92
				8	145	00	0.96
				9	125	00	1.08
			SHORTHEAD REDHORSE	1	272	1.10	0.86
				2	120	2.43	1.23
			BROOK SILVERSIDE	1	86	3.33	0.52
				2	92	3.43	0.44
				3	66	5.7	0.55
			ROCK BASS	1	220	207.00	1.94
				2	205	184.00	2.14
				3	210	192.00	2.07
				4	196	133.00	1.77
				5	245	289.00	1.97
				6	197	136.00	1.81
				7	212	202.00	2.12
				8	205	190.00	2.21
				9	195	148.00	2.00
				10	207	175.00	2.03
			BLUEGILL	1	45	4.00	1.30
				2	146	57.00	1.76
				3	97	14.00	1.53
				4	86	9.00	1.41
			LONGEAR SUNFISH	1	124	40.00	2.10
				2	115	36.00	2.37
				3	136	54.00	2.15
				4	111	32.00	2.34
				5	118	40.00	2.43
				6	70	4.00	1.17
				7	120	56.00	2.20
				8	115	32.00	2.10
				9	85	12.00	1.95
				10	100	19.00	1.90
			SMALLMOUTH BASS	1	132	460.00	2.0
				2	279	295.00	1.16
				3	215	118.00	1.95
				4	150	22.00	1.95
				5	161	62.00	1.01
				6	183	62.00	1.01
				7	92	9.00	0.96
				8	47	7.00	0.77
				9	97	6.00	0.66
				10	103	10.00	0.92
				11	95	7.00	0.82
				12	165	72.00	1.14
				13	149	36.00	1.09
				14	155	40.00	1.07
				15	148	31.00	0.96
				16	155	40.00	1.07
				17	138	27.00	1.03
				18	123	18.00	0.97
				19	135	25.00	1.02
				20	135	25.00	1.02
				21	140	27.00	0.98
				22	107	12.00	0.98
				23	114	11.00	0.74
				24	115	14.00	0.92
				25	145	27.00	0.89
				26	112	10.00	0.71
				27	107	11.00	0.90
				28	101	7.00	0.68
				29	115	16.19	1.06
				30	95	8.91	1.04
				31	110	15.53	1.17
				32	114	15.71	1.06
				33	102	13.19	1.24
				34	105	14.58	1.26
				35	106	14.81	1.24
				36	90	10.60	1.45
				37	110	16.23	1.22
				38	93	10.54	1.31
				39	85	8.10	1.32
			LOOPERCH	1	99	4.72	0.90
				2	92	7.31	0.94
				3	91	7.32	0.97
				4	103	9.35	0.86
				5	98	8.76	0.93
				6	102	8.39	0.79
			SLENDERHEAD DARTER	1	61	2.06	0.92
				2	60	2.30	1.06
				3	69	3.13	0.95
				4	64	2.31	0.88
				5	85	2.54	0.92
				6	57	1.66	0.90
				7	62	2.47	1.01
8	08 04 89		CARP	1	428	1040.00	1.33
				2	377	770.00	1.44
				3	435	1100.00	1.34
			ROSEFACE SHINER	1	81	2.06	0.39
			SPOTFIN SHINER	1	70	3.87	1.13
				2	55	1.87	1.12
				3	42	0.65	0.86
			MIMIC SHINER	1	56	1.50	0.45
				2	53	1.28	0.86
			RIVER REDHORSE	1	492	2080.00	1.75

APPENDIX C-1. FISH CAUGHT IN THE KAIWAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED)

STN	REF	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	K/L
6L	B	08 04 89	GOLDEN REDHORSE	1	164	520.00	1.08
				2	145	28.00	0.92
			SHORTHEAD REDHORSE	1	107	15.00	1.06
				1	176	14.00	0.90
			BROOK SILVERSIDE	2	22	20.06	1.10
				1	80	2.64	0.52
			ROCK BASS	1	209	190.00	2.08
				2	211	186.00	1.98
			BLUEGILL	1	96	15.00	1.70
				1	96	15.00	1.70
			LONGEAR SUNFISH	1	106	21.00	1.74
				1	158	660.00	1.56
			SMALLMOUTH BASS	2	175	660.00	1.27
				3	111	620.00	1.47
				4	132	470.00	1.39
				5	109	370.00	1.25
				6	141	510.00	1.32
				7	120	390.00	1.19
				8	170	400.00	1.34
				9	256	802.00	1.20
				10	120	46.00	1.30
				11	245	146.00	0.99
				12	176	64.00	1.17
				13	182	70.00	1.16
				14	182	32.00	0.75
				15	143	24.00	0.62
				16	126	18.00	0.93
				17	187	79.00	1.11
				18	159	44.70	1.09
				19	144	40.00	1.34
				20	151	33.00	0.96
				21	132	21.00	0.91
				22	150	33.00	0.98
				23	144	33.00	1.11
				24	131	20.00	0.87
				25	187	30.00	0.7
				26	114	12.00	0.8
				27	149	36.00	1.15
				28	109	12.00	0.93
				29	135	19.00	0.77
				30	96	9.00	1.02
				31	116	11.00	0.92
				32	144	28.00	0.94
				33	99	10.00	1.03
				34	101	11.00	1.07
				35	87	4.00	0.73
				36	111	78.48	1.11
				37	118	18.88	1.15
				38	94	6.67	1.04
				39	96	9.94	1.12
				40	97	10.93	1.20
				41	96	9.53	1.01
				42	86	7.74	1.22
				43	85	6.57	1.13
			LOGPERCH	1	100	8.48	0.85
				2	81	5.73	0.87
C	08 07 89		GIZZARD SHAD	1	124	108.00	0.94
				1	173	1130.00	1.12
			STRIPED SHINER	1	68	6.48	2.03
				2	89	7.30	1.04
			ROSYFACE SHINER	1	80	4.76	0.93
				4	77	2.51	0.67
			SPOTFIN SHINER	1	67	2.34	0.71
				2	65	1.77	0.64
			REDFIN SHINER	1	67	3.02	1.00
				1	51	1.05	0.79
			MIMIC SHINER	2	50	1.09	0.87
				3	52	1.10	0.78
			BLUNTNOSE MINNOW	4	44	0.77	0.90
				1	55	1.40	0.84
				1	71	3.46	0.97
				2	61	1.80	0.70
				3	55	1.73	1.02
			QUILLBACK	1	372	845.40	1.25
				1	103	11.00	1.01
			RIVER REDHORSE	1	445	870.00	0.99
				2	429	815.00	1.01
			GOLDEN REDHORSE	3	258	159.00	0.94
				4	119	17.00	1.03
				5	115	16.00	1.05
				6	122	18.00	0.99
				7	121	21.00	1.12
				8	117	15.00	0.94
			SHORTHEAD REDHORSE	1	107	12.00	0.98
				2	113	14.00	0.97
			BROOK SILVERSIDE	1	27	0.07	0.34
			ROCK BASS	1	227	225.00	1.92
				2	218	204.00	1.97
				3	195	135.00	1.82
				4	214	181.00	1.85
				5	213	204.00	2.11
				6	223	25.63	1.67
				7	225	11.00	1.98
				8	192	33.00	1.88
				9	189	126.00	1.90
				10	193	129.00	1.79
				11	80	12.00	1.70
			GREEN SUNFISH	1	62	4.68	1.96
				2	54	3.15	2.00
				3	51	2.71	2.08
				4	44	2.8	1.82
			BLUEGILL	1	67	0.00	0.56
			LONGEAR SUNFISH	1	81	9.00	0.69
				2	75	6.00	0.82
				3	128	39.00	0.66
				4	116	30.00	1.14
				5	80	8.00	1.54
				6	80	11.00	2.15

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED).

STA	REP	DATE	SPECIES	D NO.	LENGTH MM	WEIGHT G	KTG
BL	C	08 07 89	LONGEAR SUNFISH	1	75	7.00	1.80
				2	83	9.00	1.12
				3	57	3.50	2.11
			SMALLMOUTH BASS	1	128	19.00	0.91
				2	170	45.00	0.92
				3	139	21.00	0.78
				4	118	12.00	0.77
				5	156	41.00	1.08
				6	151	30.00	0.87
				7	162	43.00	1.01
				8	152	31.00	0.88
				9	121	18.00	1.02
				10	108	12.00	0.95
				11	142	33.00	1.15
				12	159	42.00	1.04
				13	149	21.00	0.88
				14	156	38.00	0.96
				15	236	152.00	1.16
				16	137	26.00	1.01
				17	143	25.00	0.96
				18	108	10.00	0.79
				19	99	11.00	1.13
				20	177	59.00	1.06
				21	148	48.00	0.86
				22	87	8.00	0.91
				23	107	12.00	0.98
				24	92	8.00	1.03
				25	93	9.00	1.12
				26	150	55.00	1.63
				27	179	60.00	1.05
				28	99	8.00	0.82
				29	105	11.00	0.95
				30	148	32.00	0.99
				31	89	7.00	0.99
				32	134	21.00	0.87
				33	102	11.00	1.04
				34	106	12.00	0.95
				35	194	65.00	1.16
				36	187	71.00	1.09
				37	108	12.00	0.95
				38	98	8.00	0.85
				39	119	15.00	0.89
				40	115	11.00	0.72
				41	58	5.00	0.73
				42	114	14.00	0.94
				43	136	25.00	0.99
				44	104	12.00	1.07
				45	113	12.00	0.83
			LARGEMOUTH BASS	1	193	77.00	1.07
			LOGPERCH	1	96	8.42	0.95
				2	93	7.05	0.88
				3	94	7.50	0.90
				4	87	6.43	0.98
				5	87	5.81	0.82
				6	98	8.13	0.86
				7	99	8.13	0.86
				8	98	8.13	0.86
				9	98	8.13	0.86
				10	98	8.13	0.86
				11	98	8.13	0.86
				12	98	8.13	0.86
				13	98	8.13	0.86
				14	98	8.13	0.86
				15	98	8.13	0.86
				16	98	8.13	0.86
				17	98	8.13	0.86
				18	98	8.13	0.86
				19	98	8.13	0.86
				20	98	8.13	0.86
				21	98	8.13	0.86
				22	98	8.13	0.86
				23	98	8.13	0.86
				24	98	8.13	0.86
				25	98	8.13	0.86
				26	98	8.13	0.86
				27	98	8.13	0.86
				28	98	8.13	0.86
				29	98	8.13	0.86
				30	98	8.13	0.86
				31	98	8.13	0.86
				32	98	8.13	0.86
				33	98	8.13	0.86
				34	98	8.13	0.86
				35	98	8.13	0.86
				36	98	8.13	0.86
				37	98	8.13	0.86
				38	98	8.13	0.86
				39	98	8.13	0.86
				40	98	8.13	0.86
				41	98	8.13	0.86
				42	98	8.13	0.86
				43	98	8.13	0.86
				44	98	8.13	0.86
				45	98	8.13	0.86
				46	98	8.13	0.86
				47	98	8.13	0.86
				48	98	8.13	0.86
				49	98	8.13	0.86
				50	98	8.13	0.86
				51	98	8.13	0.86
				52	98	8.13	0.86
				53	98	8.13	0.86
				54	98	8.13	0.86
				55	98	8.13	0.86
				56	98	8.13	0.86
				57	98	8.13	0.86
				58	98	8.13	0.86
				59	98	8.13	0.86
				60	98	8.13	0.86
				61	98	8.13	0.86
				62	98	8.13	0.86
				63	98	8.13	0.86
				64	98	8.13	0.86
				65	98	8.13	0.86
				66	98	8.13	0.86
				67	98	8.13	0.86
				68	98	8.13	0.86
				69	98	8.13	0.86
				70	98	8.13	0.86
				71	98	8.13	0.86
				72	98	8.13	0.86
				73	98	8.13	0.86
				74	98	8.13	0.86
				75	98	8.13	0.86
				76	98	8.13	0.86
				77	98	8.13	0.86
				78	98	8.13	0.86
				79	98	8.13	0.86
				80	98	8.13	0.86
				81	98	8.13	0.86
				82	98	8.13	0.86
				83	98	8.13	0.86
				84	98	8.13	0.86
				85	98	8.13	0.86
				86	98	8.13	0.86
				87	98	8.13	0.86
				88	98	8.13	0.86
				89	98	8.13	0.86
				90	98	8.13	0.86
				91	98	8.13	0.86
				92	98	8.13	0.86
				93	98	8.13	0.86
				94	98	8.13	0.86
				95	98	8.13	0.86
				96	98	8.13	0.86
				97	98	8.13	0.86
				98	98	8.13	0.86
				99	98	8.13	0.86
				100	98	8.13	0.86
				101	98	8.13	0.86
				102	98	8.13	0.86
				103	98	8.13	0.86
				104	98	8.13	0.86
				105	98	8.13	0.86
				106	98	8.13	0.86
				107	98	8.13	0.86
				108	98	8.13	0.86
				109	98	8.13	0.86
				110	98	8.13	0.86
				111	98	8.13	0.86
				112	98	8.13	0.86
				113	98	8.13	0.86
				114	98	8.13	0.86
				115	98	8.13	0.86
				116	98	8.13	0.86
				117	98	8.13	0.86
				118	98	8.13	0.86
				119	98	8.13	0.86
				120	98	8.13	0.86
				121	98	8.13	0.86
				122	98	8.13	0.86
				123	98	8.13	0.86
				124	98	8.13	0.86
				125	98	8.13	0.86
				126	98	8.13	0.86
				127	98	8.13	0.86
				128	98	8.13	0.86
				129	98	8.13	0.86
				130	98	8.13	0.86
				131	98	8.13	0.86
				132	98	8.13	0.86
				133	98	8.13	0.86
				134	98	8.13	0.86
				135	98	8.13	0.86
				136	98	8.13	0.86
				137	98	8.13	0.86
				138	98	8.13	0.86
				139	98	8.13	0.86
				140	98	8.13	0.86
				141	98	8.13	0.86
				142	98	8.13	0.86
				143	98	8.13	0.86
				144	98	8.13	0.86
				145	98	8.13	0.86
				146	98	8.13	0.86
				147	98	8.13	0.86
				148	98	8.13	0.86
				149	98	8.13	0.86
				150	98	8.13	0.86
				151	98	8.13	0.86
				152	98	8.13	0.86
				153	98	8.13	0.86
				154	98	8.13	0.86
				155	98	8.13	0.86
				156	98	8.13	0.86
				157	98	8.13	0.86
				158	98	8.13	0.86
				159	98	8.13	0.86
				160	98	8.13	0.86
				161	98	8.13	0.86
				162	98	8.13	0.86
				163	98	8.13	0.86
				164	98	8.13	0.86
				165	98	8.13	0.86
				166	98	8.13	0.86
				167	98	8.13	0.86
				168	98	8.13	0.86
				169	98	8.13	0.86
				170	98	8.13	0.86
				171	98	8.13	0.86
				172	98	8.13	0.86
				173	98	8.13	0.86
				174	98	8.13	0.8

APPENDIX C-1. FISH CAUGHT IN THE KANKAKE RIVER AND HORSE CREEK BY ELECTROFISHING
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	K/L
6L	D	08 10 89	SMALLMOUTH BASS	5	215	140.00	1.08
				6	288	214.00	1.14
				7	148	30.00	0.93
				8	116	14.00	0.90
				9	110	13.00	0.88
				10	108	12.00	0.85
				11	95	10.00	1.13
				12	139	21.00	0.78
				13	105	10.00	0.86
				14	87	5.00	0.78
				15	185	68.00	1.07
				16	101	10.00	0.97
				17	100	9.00	0.90
				18	111	11.00	0.80
				19	140	27.00	0.98
				20	91	7.00	0.87
				21	152	37.00	1.05
				22	105	10.00	0.86
				23	87	5.00	0.76
				24	97	7.00	0.77
				25	85	4.00	0.65
				26	106	11.00	0.92
				27	105	9.00	0.78
				28	107	11.00	0.90
				29	185	67.00	1.06
				30	185	70.00	1.11
				31	185	38.00	0.85
				32	109	11.00	0.85
				33	104	8.00	0.71
				34	92	5.00	0.64
			BANDED DARTER	1	45	0.87	0.95
			LOGPERCH	1	101	9.90	0.96
				2	94	2.98	0.84
				3	82	7.02	0.90
				4	89	6.30	0.89
				5	95	7.71	0.90
6R	A	08 01 89	CARP	6	88	6.37	0.91
				1	309	840.00	1.49
				2	416	940.00	1.31
				3	420	870.00	1.17
			SPOTFIN SHINER	1	63	6.55	1.15
			BLUNTNOSE MINNOW	1	57	1.90	1.03
			SILVER REDHORSE	1	154	41.00	1.12
				2	134	25.00	1.04
			GOLDEN REDHORSE	1	360	505.00	1.04
				2	370	530.00	1.05
			GREEN SUNFISH	1	51	2.88	2.17
			GRANDESPOTTED SUNFISH	1	91	13.00	1.73
			BLUEGILL	1	147	70.00	2.20
				2	93	14.00	1.74
			SMALLMOUTH BASS	1	367	650.00	1.31
				2	206	92.00	1.05
				3	162	42.00	0.99
				4	79	4.00	0.81
8	08 04 89		BLACKSIDE DARTER	1	49	0.93	0.79
			BLUNTNOSE MINNOW	1	71	4.11	1.15
				2	55	1.90	1.14
				3	64	3.00	1.14
				4	61	2.51	1.11
				5	66	3.25	1.13
			BULLHEAD MINNOW	1	51	1.56	1.18
			RIVER REDHORSE	1	343	480.00	1.19
			ROCK BASS	1	129	34.00	1.58
				2	101	17.00	1.65
				3	131	35.00	1.56
			BLUEGILL	1	145	55.00	1.50
				2	86	11.00	1.57
				3	102	17.00	1.60
				4	69	6.00	1.83
				5	68	7.00	2.23
				6	86	11.00	1.73
			LONGEAR SUNFISH	1	65	6.00	2.18
				2	77	10.00	2.19
				3	67	5.00	1.66
				4	65	5.04	1.82
				5	117	16.70	1.00
				6	65	8.00	2.18
				7	72	7.00	1.88
				8	72	5.00	1.34
				9	63	4.00	1.60
				10	76	7.00	1.59
				11	50	2.58	2.06
			SMALLMOUTH BASS	1	313	375.00	1.22
				2	20	100.00	1.13
				3	115	15.00	0.99
				4	97	9.00	0.98
				5	123	60.00	1.22
				6	114	13.00	0.88
				7	105	9.00	0.78
				8	87	6.00	0.91
				9	99	8.00	0.82
			LARGEMOUTH BASS	1	230	160.00	1.32
				2	48	1.42	1.28
				3	45	1.27	1.39
			BLACK DRAFFIE	1	99	18.00	1.66
			LOGPERCH	1	98	9.52	1.01
C	08 07 89		GLIZARD SHAD	1	242	109.00	0.77
			HORNHEAD CHUB	1	102	15.16	1.45
			ROSYFACI SHINER	1	64	2.06	0.79
			SPOTFIN SHINER	1	51	1.34	1.01
			SAND SHINER	1	52	1.36	0.97
			BLUNTNOSE MINNOW	1	50	0.85	0.68
				2	56	1.70	0.97
				3	53	1.38	0.93
				4	49	1.12	0.87
			SILVER REDHORSE	1	150	37.00	1.10
			GOLDEN REDHORSE	1	126	38.00	1.10
			ROCK BASS	1	216	204.00	2.02

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING JULY/AUGUST 1989 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KT/L
6A	C	08 07 89	ROCK BASS	2	180	89.00	1.53
				3	152	55.00	1.85
				1	143	93.00	1.81
			BLUEGILL	2	87	10.00	1.58
				3	85	10.00	1.63
				4	68	5.00	1.59
			LONGEAR SUNFISH	1	105	23.00	1.99
				2	112	28.00	1.99
				3	102	17.00	1.80
			SMALLMOUTH BASS	4	81	8.00	1.51
				1	326	384.00	1.05
				2	162	48.00	1.13
				3	206	92.00	1.05
				4	159	44.00	1.09
				5	97	9.00	0.99
				6	175	57.00	1.06
				7	129	19.00	0.89
				8	122	14.00	0.77
D	08 10 89		HORNYHEAD CHUB	9	81	7.00	1.32
				1	87	7.50	1.14
				1	62	1.86	0.78
			ROSYFACE SHINER	2	58	1.60	0.82
				3	52	1.04	0.74
				4	44	0.60	0.70
			SPOTFIN SHINER	1	80	4.71	0.92
				2	79	5.62	1.14
				1	66	2.74	0.95
			BLUNTNOSE MINNOW	1	55	1.45	0.87
				2	53	1.47	0.99
				3	51	1.26	0.95
			NORTHERN DOGSUCKER	1	163	41.00	0.95
				1	305	15.00	1.11
				2	299	270.00	1.01
			GOLDEN REDHORSE	3	47	0.95	0.92
				1	61	4.88	2.06
				1	93	14.00	1.74
			GREEN SUNFISH	2	89	11.00	1.56
				1	120	31.00	1.79
				2	78	8.00	1.82
			BLUEGILL	3	55	3.00	1.60
				4	74	7.00	1.73
				5	56	3.99	2.27
			LONGEAR SUNFISH	6	62	4.32	1.61
				7	48	2.03	1.84
				1	270	140.00	0.77
			SMALLMOUTH BASS	2	177	62.00	1.12
				3	163	50.00	1.15
				4	111	13.00	0.95
				1	15	9.00	1.05
				6	109	11.00	0.85
				7	98	6.00	0.84
			LOOPERCH	8	100	11.21	1.12
				1	98	7.53	0.80

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE
DURING JULY/AUGUST 1989.

STA	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	*TL
1L	A	07 31 89	GIZZARD SHAD	1	33	0.29	0.81
				2	26	0.14	0.80
				3	24	0.28	0.66
			BLUNTNOSTE MINNOW	4	63	2.26	0.90
				5	66	2.59	0.90
				6	67	2.78	0.92
				7	56	1.81	0.82
				8	57	1.59	0.86
				9	55	1.42	0.85
			BROOK SILVERSIDE	10	52	1.16	0.82
				11	43	0.42	0.53
				12	41	0.36	0.52
			GREEN SUNFISH	1	53	2.69	1.81
			BLUEGILL	1	57	3.04	1.84
			LONGEAR SUNFISH	1	102	26.80	2.53
				2	108	27.58	2.19
				3	102	24.05	2.27
				4	85	13.33	2.17
				5	72	7.04	1.89
				6	73	7.54	1.94
				7	72	7.52	2.01
				8	67	5.86	1.85
				9	59	3.81	1.86
				10	54	2.57	1.87
				11	54	2.72	1.73
				12	52	2.46	1.75
				13	60	4.46	2.06
				14	48	2.01	1.82
			SMALLMOUTH BASS	15	47	1.93	1.86
				1	104	11.72	1.04
2	87	7.15		1.09			
3	85	6.99		1.10			
4	75	4.94		1.17			
1	56	2.21		1.26			
LARGEMOUTH BASS	1	108		8.62	0.88		
	2	69		1.90	0.58		
	3	70		2.95	0.86		
GRASS PICKEREL	2	51		1.25	0.94		
	3	63		2.53	1.01		
	4	56		1.67	0.95		
ROCK BASS	1	146		57.00	1.83		
	2	96		17.44	1.97		
	3	86		11.54	1.81		
BLUEGILL	1	86		5.03	1.75		
	1	107		26.00	2.29		
	2	122	41.00	2.26			
LONGEAR SUNFISH	3	71	6.80	1.90			
	4	65	5.33	1.94			
	5	60	3.62	1.77			
	6	55	3.01	1.81			
	7	46	1.83	1.88			
	8	20	0.13	1.62			
	SMALLMOUTH BASS	1	85	7.82	1.27		
		2	36	0.62	1.33		
		1	60	2.65	1.23		
	LARGEMOUTH BASS	2	38	0.67	1.22		
		3	45	1.06	1.16		
		1	57	2.15	1.16		
	C	08 08 89	BLACK CRAPPIE	1	38	0.31	0.56
				1	78	0.46	0.84
1				85	2.65	0.96	
EMERALD SHINER			1	53	0.69	0.46	
			1	19	0.10	1.46	
			1	78	6.75	1.84	
STRIPED SHINER			2	55	3.06	1.84	
			1	66	2.94	1.02	
			2	57	1.88	0.91	
LONGEAR SUNFISH			1	135	60.15	2.44	
			2	64	4.94	1.88	
			3	46	1.66	1.71	
			4	50	2.24	1.79	
			5	21	0.12	1.30	
1R			07 31 89	SMALLMOUTH BASS	1	110	18.24
	1	110			19.04	1.13	
	1	94			8.41	1.01	
	HORNHEAD CHUB	2		75	4.31	1.02	
		1		74	4.45	1.10	
		1		76	5.03	1.15	
	STRIPED SHINER	2		60	1.91	0.88	
		3		67	2.88	0.96	
		1		68	13.65	2.00	
	ROCK BASS	1		65	5.05	2.20	
		2		54	2.65	1.81	
		1		87	7.53	1.14	
	LONGEAR SUNFISH	1		82	6.82	1.24	
		2		62	2.03	0.85	
		1		53	1.02	0.69	
	MIMIC SHINER	1		72	3.64	0.98	
		2		57	1.72	0.93	
		3		70	3.07	0.90	
9		BLUNTNOSTE MINNOW	1	56	1.82	1.04	
			1	22	0.06	0.56	
			1	87	14.42	2.19	
		BULLHEAD MINNOW	2	78	9.83	2.07	
			3	77	9.97	2.18	
			4	71	8.27	2.31	
		BROOK SILVERSIDE	5	74	8.24	2.03	
			6	68	6.34	2.07	
			7	63	5.08	2.03	
		LONGEAR SUNFISH	8	58	3.60	1.85	
			1	66	2.48	0.88	
			2	52	1.44	1.02	
		LOOPERD	3	21	0.04	0.43	
			1	85	5.73	0.93	
			1	64	2.03	0.77	
JOHNNY DARTER	1	49	0.95	0.81			
	1	22	0.09	0.85			
	1	25	0.14	0.90			
2	A	07 31 89	EMERALD SHINER				
			ROSYFACE SHINER				

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REP	DATE	SPECIES	NO.	LENGTH (IN)	WEIGHT (G)	MTL
2	A	07 31 89	ROSYFACE SHINER	2	28	0.16	0.73
				3	32	0.22	0.67
				4	31	0.27	0.75
				5	31	0.26	0.87
				6	27	0.15	0.76
				7	24	0.14	1.01
				8	29	0.16	0.66
				9	22	0.10	0.94
				1	22	0.12	1.13
				1	24	0.17	1.23
	B		SPOTFIN SHINER	1	29	0.19	0.78
			BLUNTNOSE MINNOW	2	30	0.21	0.78
			SILVERJAW MINNOW	3	26	0.13	0.74
			SAND SHINER	1	21	0.07	0.76
				2	24	0.12	0.87
				3	50	1.14	0.91
				4	53	1.23	0.83
			5	58	1.75	0.90	
			6	66	2.33	0.81	
			BLUNTNOSE MINNOW	1	47	0.78	1.75
				2	23	0.12	0.99
				3	22	0.07	0.66
4	21	0.06	0.65				
C	08 08 89	BROOK SILVERSIDE	1	24	0.08	0.58	
		JOHNNY DARTER	1	35	0.29	0.68	
		STRIPED SHINER	1	33	0.28	0.78	
		ROSYFACE SHINER	1	59	1.51	0.74	
		SPOTFIN SHINER	2	60	1.55	0.72	
		1	76	3.71	0.85		
		2	66	2.57	0.89		
		3	27	0.17	0.86		
		BLUNTNOSE MINNOW	1	56	1.52	0.87	
		2	47	0.80	0.77		
3L	D	07 11 89	LONGEAR SUNFISH	1	70	6.27	1.63
			ROSYFACE SHINER	1	63	1.85	2.74
			STRIPED SHINER	1	71	3.40	0.95
			SPOTFIN SHINER	2	57	1.68	0.91
			1	25	0.08	0.51	
			BLUNTNOSE MINNOW	2	25	0.07	0.45
			1	58	1.58	0.81	
			2	55	1.40	0.84	
			3	45	0.80	0.88	
			BROOK SILVERSIDE	1	43	0.31	0.39
	2		39	0.31	0.52		
	3		39	0.27	0.46		
	4		42	0.36	0.49		
	5		38	0.28	0.51		
	6		41	0.32	0.46		
	7		46	0.41	0.42		
	8		44	0.41	0.46		
	9		42	0.37	0.50		
	10		44	0.37	0.43		
	11		46	0.43	0.44		
	12		21	0.02	0.22		
	13		41	0.33	0.48		
14	46	0.48	0.49				
15	39	0.28	0.47				
16	39	0.29	0.49				
17	37	0.25	0.49				
18	35	0.27	0.63				
19	39	0.29	0.49				
20	33	0.23	0.64				
21	25	0.06	0.51				
22	31	0.16	0.54				
23	21	0.04	0.43				
24	23	0.06	0.49				
25	24	0.08	0.58				
26	20	0.04	0.50				
8	C	08 08 89	LONGEAR SUNFISH	1	68	6.04	1.92
			2	66	5.74	2.00	
			3	55	2.87	1.73	
			SMALLMOUTH BASS	1	114	11.66	0.79
			2	99	10.34	1.07	
			3	93	8.44	1.05	
			4	92	9.36	1.20	
			5	60	5.46	1.07	
			LARGEMOUTH BASS	1	61	2.45	1.08
			STRIPED SHINER	1	85	5.36	0.87
	BLACKSTRIPE TOPMINNOW		1	25	0.09	0.58	
	BROOK SILVERSIDE		1	41	0.31	0.48	
	2		43	0.35	0.44		
	3		45	0.39	0.43		
	4		41	0.32	0.46		
	5		40	0.28	0.44		
	ROCK BASS		1	221	254.00	2.35	
	LARGEMOUTH BASS		1	51	1.47	1.11	
	SPOTFIN SHINER		1	30	0.20	0.74	
	2		30	0.20	0.74		
	BROOK SILVERSIDE		1	50	0.55	0.44	
	2		44	0.40	0.47		
3	50	0.56	0.45				
4	50	0.55	0.44				
5	44	0.42	0.49				
6	49	0.50	0.42				
7	43	0.38	0.48				
8	30	0.10	0.37				
LARGEMOUTH BASS	1	58	2.10	1.08			
2	34	0.30	0.76				
D	EMERALD SHINER	1	20	0.14	1.75		
	SPOTFIN SHINER	1	25	0.19	1.22		
	2	22	0.13	1.22			
	BLUNTNOSE MINNOW	1	66	2.87	0.93		
	BLACKSTRIPE TOPMINNOW	1	21	0.13	1.40		
	BROOK SILVERSIDE	1	27	0.15	0.76		
	BLUEDRILL	1	54	2.70	1.71		
	LONGEAR SUNFISH	1	78	10.01	2.11		
	2	72	7.52	2.01			
	3	47	2.03	1.96			

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORRE CREEK BY SEINE
DURING JULY/AUGUST 1969 (CONTINUED).

STN	REF	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	MTL
3L	D	06 08 89	LONGEAR SUNFISH	4	62	1.27	1.71
3R	A	07 31 89	SILVER REDHORSE	1	155	34.00	1.02
			BROOK SILVERSIDE	1	23	0.05	0.41
			LONGEAR SUNFISH	1	63	4.63	1.85
			GIZZARD SHAD	1	35	0.35	0.62
			GRASS PICKEREL	2	31	0.24	0.87
			ROSYFACE SHINER	1	95	3.64	0.66
				1	37	0.34	0.67
				2	61	0.65	0.65
				3	32	0.24	0.73
				4	32	0.23	0.70
			BROOK SILVERSIDE	1	71	1.47	0.47
				2	36	0.26	0.56
				3	24	0.07	0.51
			LONGEAR SUNFISH	1	103	27.82	2.55
				2	91	17.28	2.29
			SMALLMOUTH BASS	1	30	0.33	1.22
			EMERALD SHINER	1	37	0.37	0.73
			STRIPED SHINER	1	81	5.01	0.94
				2	72	3.71	0.99
			ROSYFACE SHINER	1	47	0.68	0.65
				2	33	0.83	0.64
				3	31	0.16	0.54
				4	27	0.11	0.56
			SPOTFIN SHINER	1	31	0.19	0.64
			REDFIN SHINER	1	47	0.79	0.76
			BLUNTNOS MINNOW	1	53	1.24	0.83
				2	47	0.90	0.87
				3	45	0.67	0.74
				4	44	0.33	0.84
				5	51	0.27	0.91
			BLUNTNOS MINNOW	1	57	1.71	0.93
				2	44	0.75	0.66
				3	31	0.21	0.70
				4	31	0.25	0.84
				5	32	0.24	0.73
				6	28	0.14	0.64
				7	26	0.14	0.60
				8	23	0.09	0.74
				9	28	0.22	1.00
4L	A	07 31 89	BLACKSTRIP TOPMINNOW	1	44	6.55	0.65
			ROSYFACE SHINER	2	44	0.51	0.60
				3	43	0.47	0.59
				4	45	0.57	0.63
				5	36	0.32	0.69
				6	41	0.45	0.65
				7	32	0.24	0.73
				8	29	0.14	0.57
				9	31	0.15	0.50
			SPOTFIN SHINER	1	42	0.64	0.86
			REDFIN SHINER	1	52	1.15	0.82
				2	50	1.04	0.73
				3	47	0.66	0.64
			BLUNTNOS MINNOW	1	57	1.58	0.85
				2	52	1.33	0.95
				3	45	0.70	0.77
			BROOK SILVERSIDE	1	46	0.44	0.45
				2	40	0.33	0.52
				3	41	0.34	0.49
				4	40	0.34	0.53
				5	41	0.35	0.51
				6	42	0.38	0.51
				7	39	0.26	0.44
				8	40	0.34	0.53
				9	43	0.37	0.47
				10	35	0.19	0.44
				11	40	0.31	0.48
				12	35	0.20	0.47
				13	38	0.26	0.47
				14	38	0.27	0.49
				15	34	0.20	0.51
				16	38	0.26	0.51
				17	36	0.23	0.49
				18	31	0.12	0.40
				19	26	0.05	0.28
			LONGEAR SUNFISH	1	64	5.05	1.93
				2	62	4.95	2.08
				3	70	0.10	1.25
				4	38	0.45	0.82
			STRIPED SHINER	2	24	0.08	0.56
			REDFIN SHINER	1	52	1.13	0.80
				2	45	0.58	0.75
			BLUNTNOS MINNOW	1	51	1.20	0.90
				2	54	1.49	0.95
				3	51	1.13	0.85
				4	57	1.44	0.82
			BROOK SILVERSIDE	1	37	0.25	0.49
				2	43	0.35	0.44
				3	37	0.20	0.39
				4	42	0.29	0.39
				5	40	0.25	0.39
				6	34	0.23	0.49
				7	41	0.30	0.44
				8	33	0.20	0.56
				9	40	0.24	0.37
				10	36	0.19	0.41
				11	39	0.27	0.46
				12	46	0.42	0.53
				13	28	0.06	0.27
				14	21	0.05	0.54
				15	27	0.13	0.59
				16	37	0.28	0.55
				17	42	0.35	0.47
				18	37	0.25	0.49
				19	42	0.35	0.47
				20	41	0.32	0.46
				21	38	0.28	0.51
				22	36	0.27	0.49

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HOWSE CREEK BY SEINE
DURING JULY/AUGUST 1989 (CONTINUED).

TR	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	RTL
HL	B	07 31 89	BROOK SILVERSIDE	23	39	0.29	0.49
				24	46	0.43	0.44
				25	41	0.23	0.33
				26	41	0.23	0.33
				27	34	0.20	0.31
				28	22	0.06	0.75
			ORANGESPOTTED SUNFISH	1	86	12.77	2.01
			LONGEAR SUNFISH	1	63	4.42	1.77
				2	19	0.09	1.31
			SHALLMOUTH BASS	1	94	9.94	1.15
			CRASS PICKEREL	1	102	6.02	0.57
			STRIPED SHINER	1	72	2.45	0.66
			SPOTTIN SHINER	1	32	0.27	0.62
				2	27	0.17	0.65
				3	28	0.16	0.67
				4	22	0.07	0.66
				5	22	0.08	0.65
			BLUNTHOSE MINNOW	1	62	2.12	0.89
				2	52	1.61	1.15
				3	57	1.47	0.79
				4	56	1.60	1.02
				5	54	1.29	0.82
				6	51	1.04	0.78
				7	56	1.51	0.86
				8	51	1.25	0.94
				9	28	0.23	1.05
				10	19	0.04	0.98
			BROOK SILVERSIDE	1	42	0.37	0.50
			LONGEAR SUNFISH	1	50	2.50	2.02
				2	46	1.68	1.73
				3	47	1.70	1.64
				4	42	1.44	1.94
			JOHNNY DARTER	1	36	0.39	0.71
			BLACKSIDE DARTER	1	46	0.84	0.86
			LONGNOSE GAR	1	135	4.02	0.16
			SPOTTIN SHINER	1	30	0.22	0.61
				2	24	0.07	0.51
			BLUNTHOSE MINNOW	1	56	1.30	0.83
				2	52	1.30	0.92
				3	51	1.38	1.05
				4	58	1.36	0.87
			BROOK SILVERSIDE	1	40	0.35	0.47
				2	34	0.21	0.53
			LONGEAR SUNFISH	1	62	4.41	1.85
			BLUNTHOSE MINNOW	1	55	1.37	0.82
				2	34	0.27	0.69
				3	26	0.14	0.80
			GREEN SUNFISH	1	21	0.10	1.08
			LONGEAR SUNFISH	1	74	8.37	2.14
				2	67	5.13	2.14
				1	73	8.83	0.75
			GOLDEN SHINER	1	37	0.21	0.61
			ROSYFACE SHINER	2	31	0.14	0.47
				3	32	0.13	0.40
				4	30	0.16	0.59
			SAND SHINER	1	28	0.13	0.59
			REDFIN SHINER	1	55	1.29	0.78
			BLUNTHOSE MINNOW	1	66	2.40	0.81
				2	53	2.24	0.90
				3	47	0.80	0.77
				4	45	0.57	0.63
			BULLHEAD MINNOW	1	48	1.07	0.97
				2	28	0.07	0.40
				3	20	0.03	0.37
			LONGEAR SUNFISH	1	46	1.57	1.61
				2	26	0.15	0.65
			SHALLMOUTH BASS	1	103	10.69	0.98
				2	95	9.91	1.16
				3	32	0.47	1.43
				4	33	0.40	1.11
			EMERALD SHINER	1	36	0.03	0.06
			ROSYFACE SHINER	1	36	0.14	0.73
			BLUNTHOSE MINNOW	1	50	1.21	0.97
				2	46	0.88	0.90
				3	47	0.95	0.92
				4	42	0.62	0.84
				5	41	0.53	0.77
				6	32	0.25	0.76
				7	34	0.24	0.61
				8	30	0.17	0.63
				9	27	0.15	0.91
			BROOK SILVERSIDE	1	53	0.69	0.46
				2	50	0.61	0.49
				3	55	0.75	0.45
				4	47	0.49	0.47
			GREEN SUNFISH	1	116	33.47	2.14
			LONGEAR SUNFISH	1	51	2.38	1.79
				2	47	1.93	1.86
				3	42	1.25	1.69
			LARGEMOUTH BASS	1	58	2.18	1.12
			BLACKSIDE DARTER	1	43	0.67	0.84
			SLENDERHEAD DARTER	1	63	2.19	0.86
			GIZZARD SHAD	1	26	0.17	0.97
				2	40	0.56	0.81
				3	27	0.16	0.81
				4	36	0.42	0.90
				1	37	0.31	0.61
			EMERALD SHINER	1	41	0.52	0.75
			GHOST SHINER	1	34	0.26	0.66
			ROSYFACE SHINER	2	49	0.68	0.58
				3	45	0.60	0.66
				4	47	0.64	0.62
				5	39	0.38	0.64
				6	36	0.39	0.64
				7	50	0.70	0.56
				8	50	0.76	0.61
				9	46	0.61	0.63
				10	41	0.47	0.68

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HONJE CREEK BY SEINT
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REF	DATE	SPECIES	ID NO.	LENGTH (mm)	WEIGHT (g)	MTL
NR	0	08 08 89	ROSBFACE SHINER	11	42	0.45	0.61
				12	45	0.78	0.66
				13	50	0.76	0.61
				14	37	0.25	0.70
				15	26	0.08	0.46
				16	38	0.10	0.55
				17	30	0.37	1.37
				18	36	0.28	0.60
				19	29	0.16	0.48
				20	44	0.35	0.65
				21	49	0.63	0.71
				22	48	0.70	0.63
				23	34	0.26	0.66
				24	34	0.26	0.66
				25	27	0.10	0.51
				26	41	0.46	0.67
				27	37	0.31	0.61
				28	30	0.20	0.74
				29	41	0.47	0.68
				30	31	0.18	0.60
				31	43	0.50	0.63
				32	47	0.37	0.36
				33	41	0.48	0.70
				34	36	0.40	0.66
				35	31	0.45	1.51
				36	48	0.69	0.62
				37	46	0.58	0.60
				38	36	0.34	0.71
				39	41	0.43	0.62
				40	41	0.45	0.63
				41	43	0.55	0.69
				42	47	0.57	0.55
				43	36	0.40	0.66
				44	40	0.25	0.55
				45	44	0.48	0.56
				46	46	0.55	0.57
				47	43	0.45	0.57
				48	43	0.47	0.59
				49	41	0.45	0.65
				50	45	0.48	0.53
				51	44	0.50	0.59
				52	31	0.22	1.74
				53	38	0.33	1.71
				54	43	0.40	0.50
				55	26	0.36	0.77
				56	43	0.43	0.74
				57	30	0.27	1.00
				58	37	0.34	0.67
				59	37	0.35	0.69
				60	47	0.43	0.61
				61	42	0.45	0.61
				62	36	0.36	0.77
				63	43	0.49	0.75
				64	31	0.27	0.91
				65	47	0.49	0.47
				66	41	0.45	0.65
				67	41	0.46	0.67
				68	47	0.50	0.46
				69	36	0.35	0.75
				70	43	0.41	0.54
				71	37	0.33	0.65
				72	45	0.47	0.52
				73	49	0.70	0.59
				74	41	0.47	0.68
				75	43	0.63	0.79
				76	45	0.60	0.64
				77	43	0.53	0.61
				78	36	0.33	0.71
				79	41	0.48	0.70
				80	45	0.44	0.46
				81	40	0.39	0.61
				82	45	0.61	0.67
				83	47	0.66	0.64
				84	46	0.68	0.70
				85	41	0.44	0.64
				86	42	0.60	0.81
				87	42	0.58	0.78
				88	37	0.44	0.87
				89	31	0.41	1.38
				90	46	0.61	0.63
				91	45	0.60	0.66
				92	31	0.18	0.60
				93	43	0.48	0.60
				94	42	0.50	0.67
				95	46	0.55	0.57
				96	41	0.47	0.68
				97	37	0.37	0.73
				98	40	0.50	0.78
				99	30	0.19	0.70
				100	36	0.28	0.60
				101	36	0.30	0.64
				102	41	0.41	0.59
				103	29	0.20	0.82
				104	37	0.19	0.64
				105	36	0.36	0.71
				106	36	0.16	0.73
				107	41	0.49	0.77
				108	36	0.32	0.69
				109	27	0.14	0.71
				110	28	0.17	0.77
				111	41	0.48	0.70
				112	27	0.13	0.66
				113	31	0.19	0.64
				114	27	0.20	1.02
				115	31	0.23	0.77
				116	41	0.45	0.65
				117	27	0.16	0.81
				118	25	0.16	1.02

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE
DURING JULY/AUGUST 1959 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
4R	D	06 08 59	ROSYFACE SHINER	119	37	0.28	0.25
				120	27	0.19	0.97
				121	28	0.22	1.00
				122	38	0.33	0.71
				123	36	0.31	0.66
				124	36	0.34	0.73
				125	29	0.22	0.90
				126	41	0.45	0.65
				127	29	0.25	1.03
				128	30	0.19	0.70
				129	31	0.40	1.34
				130	31	0.31	1.04
				131	28	0.19	0.87
				132	41	0.45	0.65
				133	29	0.19	0.78
				134	27	0.39	0.77
				135	25	0.16	1.02
				136	41	0.44	0.64
				137	31	0.18	0.60
				1	52	1.27	0.90
4R	D	06 08 59	SPOTTIN SHINER	2	46	1.01	0.91
				3	51	1.25	0.94
				4	51	1.09	0.62
				5	45	0.85	0.93
				6	43	0.83	1.04
				7	40	0.70	1.09
				8	37	0.49	0.97
				9	30	0.24	0.89
				10	37	0.34	0.67
				11	35	0.36	0.84
				12	30	0.76	0.96
				13	31	0.32	1.07
				14	32	0.33	1.07
				15	33	0.29	0.81
				16	32	0.30	0.98
				17	36	0.34	0.77
				18	32	0.24	0.73
				19	28	0.23	1.05
				20	36	0.43	0.92
				21	31	0.25	0.84
				22	26	0.22	1.25
				23	26	0.25	1.42
				24	27	0.22	1.12
				25	27	0.18	0.91
				26	27	0.20	1.02
				27	26	0.23	1.31
				28	29	0.26	1.19
				29	27	0.21	1.07
				30	31	0.25	0.84
				31	28	0.24	1.09
				32	28	0.24	1.09
				33	28	0.26	1.18
				34	26	0.19	1.08
				35	27	0.26	1.32
				36	31	0.29	0.97
				37	30	0.30	1.11
				38	32	0.30	0.92
				39	39	0.37	0.62
				40	29	0.24	0.98
				41	37	0.49	0.97
				42	30	0.27	1.00
				43	28	0.40	0.73
				44	31	0.33	0.92
				45	37	0.39	0.77
				46	38	0.42	0.77
				47	37	0.35	0.49
				48	36	0.43	0.52
				49	30	0.24	0.89
				50	30	0.22	0.81
				51	28	0.20	0.91
				52	30	0.28	1.04
				53	37	0.48	0.95
				54	31	0.32	1.07
				55	38	0.35	0.64
				56	33	0.30	0.83
				57	37	0.34	0.67
				58	29	0.25	1.03
				59	31	0.29	0.97
				60	32	0.30	0.92
				61	28	0.22	1.00
				62	36	0.43	0.92
				63	27	0.27	1.37
				64	29	0.24	0.96
				65	34	0.34	0.67
				66	30	0.30	1.11
				67	30	0.27	1.00
				68	36	0.24	1.09
				69	33	0.29	0.81
				70	32	0.33	1.01
				71	31	0.26	0.87
				72	33	0.38	1.06
				73	29	0.29	1.19
				74	35	0.33	0.84
				75	27	0.24	1.22
				76	32	0.30	0.92
				77	31	0.37	0.91
				78	34	0.33	0.84
				79	33	0.31	0.86
				80	29	0.26	1.07
				81	32	0.30	0.92
				82	30	0.28	1.04
				83	29	0.24	1.15
				84	33	0.35	0.97
				85	29	0.20	0.62
				86	34	0.26	0.64
				87	31	0.30	1.03
				88	32	0.32	0.98
				89	27	0.19	0.97

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REF	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	XTL
4R	D	08 08 89	SPOTFIN SHINER	90	33	0.29	0.61
				91	33	0.31	0.66
				92	29	0.24	0.56
				93	28	0.23	1.05
				94	34	0.35	0.89
				95	32	0.33	1.01
				96	31	0.32	1.07
				97	32	0.35	1.07
				98	29	0.19	1.22
				99	34	0.36	0.92
				100	30	0.27	1.00
				101	24	0.16	1.30
				102	32	0.31	0.95
				103	27	0.18	0.91
				104	33	0.30	0.83
				105	26	0.21	1.19
				106	25	0.19	1.22
				107	34	0.36	0.92
				108	30	0.30	1.11
				109	26	0.23	1.31
				110	32	0.33	1.01
				111	32	0.34	1.04
				112	27	0.20	1.02
				113	34	0.35	0.89
				114	26	0.20	1.14
				115	31	0.29	0.97
				116	27	0.22	1.12
				117	23	0.17	1.40
			BLUENOSE MINNOW	1	30	0.21	0.78
				1	56	0.76	0.43
			BROOK SILVERSIDE	2	26	0.22	0.47
				3	51	0.66	0.50
				4	52	0.68	0.48
				5	55	0.72	0.43
				6	32	0.23	0.67
				7	31	0.21	0.70
				8	30	0.20	0.74
				9	56	0.89	0.51
				10	51	0.55	0.41
				11	40	0.37	0.58
				12	47	0.59	0.53
				13	23	0.22	0.61
				14	50	0.62	0.50
				15	45	0.52	0.57
				16	46	0.57	0.59
				17	41	0.37	0.54
				18	39	0.37	0.62
				19	44	0.44	0.52
				20	33	0.24	0.67
				21	56	0.51	0.66
				22	37	0.32	0.63
				23	31	0.22	0.74
				24	31	0.14	0.81
				25	29	0.20	0.82
				26	33	0.26	0.72
				27	32	0.25	0.76
				28	27	0.22	1.12
				29	28	0.22	1.20
				30	30	0.19	0.70
				31	32	0.20	0.61
				32	35	0.24	0.56
				33	33	0.22	0.61
				34	32	0.26	0.79
				35	37	0.30	0.59
				36	39	0.38	0.64
				37	29	0.25	1.19
				38	31	0.24	0.81
				39	33	0.24	0.67
				40	30	0.19	0.70
				41	35	0.27	0.63
				42	35	0.20	0.47
				43	33	0.22	0.61
				44	33	0.21	0.58
				45	31	0.23	0.77
				46	29	0.18	0.74
				47	28	0.20	0.91
				48	30	0.19	0.70
				49	32	0.27	0.67
				50	33	0.21	0.58
				51	34	0.23	0.59
				52	35	0.28	0.65
				53	36	0.27	0.58
				54	30	0.18	0.67
				55	33	0.22	0.61
				56	29	0.20	0.82
				57	31	0.22	0.74
				58	26	0.15	0.85
				59	30	0.24	0.89
				60	27	0.13	0.66
				61	28	0.18	0.82
				62	27	0.15	0.76
				63	26	0.16	0.91
				64	33	0.22	0.61
				65	28	0.18	0.82
				66	30	0.20	0.74
				67	29	0.19	0.78
				68	27	0.14	0.71
				69	20	0.09	1.12
			LONGEAR SUNFISH	1	48	1.64	1.48
				2	43	1.16	1.46
			SMALLMOUTH BASS	3	89	14.29	2.03
				1	114	17.92	1.21
				2	121	20.23	1.14
				3	127	24.14	1.18
5L	A	07 31 89	SPOTFIN SHINER	1	16	0.06	1.46
				1	37	0.28	0.75
			SAND SHINER	1	42	0.32	0.70
				2	24	0.12	0.87

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REF	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	XTL
SL	A	07 31 89	BLUNTNOSTE MINNOW	3	19	0.07	1.02
			BROOK SILVERSIDE	1	40	0.33	0.57
			ROCK BASS	1	89	13.26	1.88
			GREEN SUNFISH	1	144	41.00	1.37
				2	56	2.93	1.87
				3	20	0.11	1.37
				4	24	0.10	1.37
				5	15	0.09	2.67
				6	16	0.11	2.69
				7	16	0.10	2.44
				8	21	0.16	1.73
				9	20	0.14	1.75
				10	18	0.12	2.06
				11	17	0.10	2.04
				12	16	0.08	1.95
				13	14	0.04	1.46
			BLUEGILL	1	71	5.64	1.58
				2	66	4.87	1.69
				3	65	4.24	1.54
				4	59	3.09	1.50
				5	61	3.38	1.49
				6	56	2.77	1.52
				7	60	3.19	1.48
				8	53	2.19	1.47
				9	47	1.68	1.62
				10	54	2.34	1.49
				11	53	2.28	1.51
			LONGEAR SUNFISH	1	56	3.12	1.60
				2	58	3.38	1.73
				3	46	1.68	1.72
				4	47	1.63	1.57
				5	42	1.29	1.74
				6	43	1.27	1.60
				7	40	1.00	1.56
				8	38	0.91	1.66
				9	40	1.07	1.47
				10	20	0.10	1.25
				11	20	0.10	1.25
			REDEAR SUNFISH	1	118	17.00	1.03
			LARGEMOUTH BASS	1	167	82.00	1.76
				2	52	1.44	1.02
			BLACK CRAPPIE	1	108	15.93	1.26
			BOWFIN	1	166	56.54	1.24
			STRIPED SHINER	1	71	3.39	0.95
			BLUNTNOSTE MINNOW	1	74	3.64	0.90
				2	51	1.22	0.92
				3	11	0.12	0.40
				4	19	0.06	0.87
			FATHEAD MINNOW	1	55	1.95	1.17
			SMALLMOUTH BUFFALO	1	47	1.43	1.38
			BLACKSTRIPE TOPMINNOW	1	61	2.32	1.02
			BROOK SILVERSIDE	1	39	0.31	0.52
			ROCK BASS	1	92	15.66	2.04
			GREEN SUNFISH	1	85	12.68	2.06
				2	26	0.20	1.34
				3	22	0.15	1.41
				4	23	0.15	1.23
			ORANGESPOTTED SUNFISH	1	72	6.51	1.74
				2	63	4.40	1.76
			BLUEGILL	1	68	5.17	1.64
				2	67	5.11	1.70
				3	48	1.55	1.40
				4	58	3.25	1.67
				5	54	2.61	1.76
				6	51	2.04	1.54
			LONGEAR SUNFISH	1	62	4.51	1.89
				2	63	4.98	1.99
				3	44	1.42	1.57
				4	48	1.92	1.74
				5	45	1.41	1.55
				6	46	1.84	1.68
				7	42	1.14	1.54
				8	50	1.97	1.58
				9	45	1.57	1.72
				10	47	1.87	1.80
				11	40	0.90	1.41
				12	20	0.03	0.37
			LARGEMOUTH BASS	1	61	2.89	1.27
				2	52	1.71	1.22
				3	50	1.50	1.20
				4	52	1.28	0.91
				5	45	1.03	1.13
				6	46	1.09	1.12
				7	37	0.57	1.13
			BLACK CRAPPIE	1	53	1.60	1.07
				2	50	1.37	1.10
C	DB	08 89	EMERALD SHINER	1	20	0.04	0.50
				2	19	0.04	0.58
			SPOTFIN SHINER	1	26	0.18	1.02
				2	24	0.10	0.72
				3	28	0.19	0.87
				4	23	0.11	0.90
				5	23	0.11	0.90
				6	22	0.09	0.85
				7	19	0.05	0.73
			SAND SHINER	1	18	0.06	1.03
			BLUNTNOSTE MINNOW	1	32	0.24	0.73
				2	52	1.41	1.00
				3	26	0.15	0.85
				4	28	0.18	0.82
				5	27	0.17	0.86
				6	29	0.20	0.82
				7	27	0.18	0.91
				8	26	0.15	0.85
				9	25	0.16	1.02
				10	32	0.41	0.96
				11	35	0.43	1.00
				12	34	0.33	0.84

APPENDIX C-2. FISH CAUGHT IN THE KANKAEE RIVER AND HORSE CREEK BY SEINE
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REF	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	RTL
5L	C	08 08 89	BLUNTHOSE MINNOW	13	28	0.21	0.96
				14	34	0.29	0.76
				15	27	0.21	1.07
				16	31	0.26	0.87
				17	28	0.21	0.96
				18	33	0.32	0.89
				19	32	0.29	0.89
				20	31	0.27	0.91
				21	26	0.23	1.31
				22	27	0.31	1.57
				23	29	0.30	1.23
				24	26	0.25	1.42
				25	23	0.11	0.9
				26	26	0.26	1.48
				27	31	0.35	1.17
				28	30	0.31	1.19
				29	26	0.24	1.37
				30	27	0.23	1.17
				31	31	0.27	0.91
				32	33	0.27	0.75
				33	31	0.26	0.94
				34	29	0.19	0.79
				35	22	0.10	0.94
				36	30	0.33	1.22
				37	32	0.31	0.95
				38	28	0.25	1.14
				39	35	0.36	0.84
				40	33	0.17	1.40
				41	27	0.22	1.12
				42	26	0.22	1.25
				43	23	0.19	1.56
				44	21	0.17	1.84
				45	28	0.23	1.05
				46	27	0.21	1.07
				47	21	0.09	0.97
				48	23	0.11	0.90
				49	27	0.17	0.86
				50	26	0.26	1.48
				51	24	0.23	1.66
				52	21	0.19	2.05
				53	26	0.27	1.34
				54	25	0.19	1.22
				55	24	0.13	0.94
				56	26	0.20	1.19
				57	22	0.13	1.22
				58	21	0.09	0.97
				59	27	0.17	0.86
				60	40	0.15	0.23
				61	26	0.16	0.91
				62	20	0.08	1.00
				63	22	0.10	0.94
				64	26	0.19	0.85
				65	21	0.10	1.08
				66	27	0.18	0.91
				67	25	0.15	0.96
				68	24	0.15	1.09
				69	22	0.11	1.03
				70	26	0.17	0.97
				71	26	0.15	0.85
				72	2	0.17	0.86
				73	4	0.10	1.04
				74	21	0.09	0.97
				75	27	0.20	1.02
				76	24	0.16	1.16
				77	25	0.16	1.02
				78	24	0.14	1.01
				79	26	0.17	0.97
				80	26	0.18	1.02
				81	25	0.17	1.09
				82	25	0.16	1.02
				83	27	0.17	0.86
				84	21	0.11	1.19
				85	23	0.10	0.82
				86	26	0.10	0.80
				87	24	0.15	1.09
				88	22	0.09	0.85
				89	23	0.12	0.99
				90	23	0.11	0.90
				91	27	0.19	0.97
				92	23	0.13	1.07
				93	27	0.12	1.13
				94	24	0.16	1.16
				95	26	0.18	1.02
				96	27	0.18	0.91
				97	21	0.08	0.86
				98	26	0.17	0.97
			BULLHEAD MINNOW	1	21	0.05	0.54
				2	29	0.21	0.76
				3	28	0.16	0.73
				4	30	0.24	0.89
				5	28	0.19	0.87
				6	28	0.26	1.18
				7	33	0.31	0.86
				8	31	0.23	0.77
				9	29	0.20	0.82
				10	28	0.17	0.77
				11	28	0.20	0.91
				12	30	0.19	0.70
				13	26	0.18	0.62
				14	27	0.19	0.97
				15	26	0.18	1.02
				16	27	0.23	1.17
				17	27	0.17	0.86
				18	26	0.16	0.91
				19	28	0.22	1.00
				20	28	0.21	0.96
				21	26	0.19	1.05
				22	26	0.17	0.97

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REF	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	ATL
5L	C	08 08 89	BULLHEAD MINNOW	23	22	0.10	0.94
				24	25	0.11	0.70
			SMALLMOUTH BUFFALO	1	44	0.88	1.03
				2	51	1.50	1.13
			ROCK BASS	1	70	6.56	1.91
			GREEN SUNFISH	1	21	0.18	1.41
				2	20	0.09	1.12
				3	25	0.28	1.79
				4	52	2.66	1.89
				5	63	5.60	2.24
				6	77	9.46	2.07
				7	59	4.18	2.04
				8	57	3.46	1.87
				9	68	5.99	1.91
				10		7.09	1.28
				11	77	9.43	2.07
				12	62	5.60	2.25
				13	56	2.55	2.02
				14	57	3.29	1.83
				15	48	2.05	1.85
				16	47	2.05	1.97
			BLUEGILL	1	61	3.69	1.63
			LONGEAR SUNFISH	1	21	0.18	1.73
				2	21	0.15	1.62
				3	21	0.15	1.62
				4	49	2.10	1.78
				5	46	1.61	1.65
				6	19	0.12	1.75
				7	51	2.20	1.73
				8	52	2.44	1.76
				9	41	1.24	1.60
			LARGEMOUTH BASS	1	68	3.83	1.22
				2	75	5.43	1.20
				3	44	0.96	1.13
				4	56	2.15	1.22
				1	10	0.17	0.63
			JOHNNY DARTER	1	30	0.20	0.76
			STRIPED SHINER	1	24	0.13	0.94
			SPOTFIN SHINER	2	25	0.10	0.64
				3	22	0.08	0.75
			SUCKERMOUTH MINNOW	1	43	0.62	0.78
			BLUNTNOSE MINNOW	1	52	1.20	0.85
				2	49	1.04	0.88
				3	47	0.82	0.78
				4	41	0.26	0.81
				5	41	0.57	0.83
				6	27	0.15	0.76
				7	26	0.18	1.02
				8	25	0.10	0.64
				9	26	0.19	1.08
				10	26	0.20	1.14
				11	26	0.17	0.97
				12	26	0.18	0.82
				13	25	0.13	0.81
				14	20	0.05	0.62
				15	15	0.01	0.10
				16	27	0.16	0.81
				17	28	0.18	0.82
				18	25	0.10	0.64
				19	21	0.07	0.76
				20	23	0.10	0.82
				21	24	0.17	0.77
				22	21	0.09	0.97
				23	26	0.12	0.68
				24	27	0.13	0.66
				25	26	0.11	0.63
				26	24	0.10	0.72
				27	25	0.10	0.54
				28	24	0.09	0.55
				29	27	0.07	0.38
				30	26	0.19	0.87
				31	23	0.13	1.07
				32	25	0.15	0.96
				33	24	0.13	0.94
				34	27	0.18	0.91
				35	29	0.20	0.82
				36	25	0.13	0.83
				37	23	0.12	0.99
				38	28	0.17	0.77
				39	20	0.09	1.12
				40	24	0.12	0.87
				41	28	0.22	1.00
				42	20	0.07	0.87
				43	25	0.19	1.22
				44	19	0.05	0.73
				45	27	0.23	1.17
				46	28	0.21	0.96
				47	29	0.24	0.98
				48	26	0.19	1.08
				49	21	0.09	0.97
				50	24	0.17	1.23
				51	27	0.18	0.91
				52	25	0.15	0.96
				53	26	0.15	0.85
				54	21	0.07	0.76
				55	30	0.23	0.85
				56	25	0.16	1.02
				57	24	0.13	0.94
				58	25	0.10	0.64
				59	26	0.19	1.08
				60	27	0.16	0.81
				61	28	0.18	0.82
				62	25	0.11	0.70
				63	23	0.10	0.82
				64	22	0.07	0.66
				65	27	0.23	1.17
				66	20	0.08	1.00
				67	25	0.13	0.83

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REF	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	RTL
5L	0	08 08 89	BLUNTHOSE MINNOW	68	24	0.12	0.87
				69	21	0.07	0.76
				70	20	0.07	0.87
				71	25	0.15	0.96
				72	27	0.17	0.86
				73	26	0.19	1.08
				74	22	0.12	1.13
				75	24	0.12	0.87
				76	26	0.15	0.85
				77	28	0.14	0.84
				78	25	0.20	1.28
				79	22	0.21	1.97
				80	27	0.24	1.22
				81	26	0.18	1.02
				82	26	0.19	1.08
				83	23	0.11	0.90
				84	20	0.10	1.25
				85	22	0.13	1.22
				86	19	0.05	0.71
				87	21	0.10	0.82
				88	27	0.14	0.71
				89	21	0.06	0.65
				90	25	0.10	1.23
				91	25	0.10	0.64
				92	24	0.11	0.80
				93	21	0.05	0.54
				94	22	0.07	0.66
				95	25	0.15	0.96
				96	24	0.09	0.65
				97	24	0.17	1.23
				98	25	0.20	1.28
				99	29	0.22	0.90
				100	26	0.13	0.74
				101	22	0.25	0.47
				102	24	0.09	0.65
				103	23	0.07	0.53
				104	27	0.18	0.91
				105	26	0.10	0.57
				106	28	0.23	1.05
				107	27	0.17	0.86
				108	27	0.09	0.85
				109	23	0.10	0.63
				110	28	0.24	1.09
				111	25	0.18	1.15
				112	25	0.17	1.09
				113	24	0.17	1.23
				114	21	0.09	0.97
				115	28	0.23	1.05
				116	26	0.21	1.19
				117	27	0.19	0.97
				118	20	0.08	1.00
				119	24	0.18	1.30
				120	21	0.05	0.54
				121	22	0.07	0.66
				122	26	0.16	0.91
				123	24	0.17	1.25
				124	28	0.24	1.09
				125	27	0.22	1.12
				126	25	0.20	1.24
				127	21	0.07	0.76
				128	19	0.05	0.71
				129	24	0.13	1.23
				130	24	0.11	0.80
				131	26	0.13	0.74
				132	27	0.18	0.91
				133	23	0.08	0.66
				134	27	0.14	0.71
				135	28	0.19	0.87
				136	28	0.19	0.87
				137	20	0.06	0.75
				138	27	0.17	0.86
				139	24	0.13	0.54
				140	20	0.06	0.74
				141	22	0.19	1.08
				142	23	0.08	0.66
				143	25	0.15	0.98
				144	22	0.07	0.66
				145	21	0.06	0.65
				146	24	0.14	1.01
				147	22	0.08	0.75
				148	23	0.07	0.56
				149	24	0.16	1.16
				150	25	0.16	1.02
				151	25	0.14	0.90
				152	27	0.18	0.91
				153	19	0.04	0.58
				154	18	0.04	0.69
				155	20	0.08	1.00
				156	25	0.12	0.77
				157	24	0.10	0.72
				158	28	0.20	0.91
				159	19	0.05	0.73
				160	21	0.09	1.07
				161	27	0.20	1.02
				162	21	0.08	0.87
				163	25	0.15	0.96
				164	16	0.04	0.98
				165	19	0.06	0.87
				166	15	0.04	1.19
				167	25	0.17	1.09
				168	16	0.05	1.22
				169	20	0.10	1.25
				170	16	0.03	0.73
				171	17	0.06	1.22
				172	24	0.15	1.09
				173	18	0.06	1.03
				174	17	0.07	1.42
				175	25	0.16	1.02

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	RTL
SL	D	08 08 89	BLUNTHOSE MINNOW	176	24	0.15	1.09
				177	24	0.16	1.16
				178	20	0.10	1.25
				179	21	0.12	1.25
				180	18	0.04	0.68
				181	19	0.05	0.73
				182	17	0.03	0.61
				183	19	0.06	1.17
				184	20	0.09	1.12
				185	25	0.17	1.09
				186	21	0.12	1.30
				187	24	0.13	0.94
				188	19	0.09	1.31
				189	19	0.06	0.87
				190	18	0.07	1.20
				191	24	0.13	0.94
				192	16	0.04	0.96
				193	23	0.09	0.74
				194	19	0.07	1.02
				195	21	0.10	1.08
				196	15	0.03	0.89
				197	17	0.05	1.02
				198	15	0.04	1.32
				199	20	0.11	1.37
			BULLHEAD MINNOW	1	25	0.16	1.02
				2	31	0.30	1.01
				3	31	0.28	0.94
				4	27	0.22	1.12
				5	27	0.20	1.02
				6	28	0.18	0.82
				7	26	0.16	0.91
			GREEN SUNFISH	8	22	0.11	1.03
				1	144	61.13	2.05
				2	124	47.59	2.56
				3	107	24.83	2.03
				4	75	9.03	2.14
				5	85	13.21	2.19
				6	63	5.37	2.19
				7	56	3.55	1.82
				8	55	5.57	2.03
			BLUEGILL	9	50	4.14	2.02
				10	50	2.47	1.76
				1	52	3.75	1.50
				2	50	3.14	1.61
				3	56	2.93	1.67
			LONGEAR SUNFISH	4	51	2.37	1.79
				5	44	1.56	1.83
				1	39	1.01	1.70
				2	26	0.97	1.54
SR	A	07 31 89	LARGEMOUTH BASS	3	21	1.2	1.30
				4	20	1	1.37
				5	24	1.35	1.16
				1	47	1.35	1.30
			JOHNNY DARTER	2	54	1.67	1.06
				1	35	0.33	0.77
				1	25	0.09	0.58
				2	19	0.06	0.67
				3	26	0.14	0.80
				4	27	0.27	1.02
				5	27	0.19	0.97
				6	23	0.12	0.77
				7	21	0.08	0.66
				8	23	0.11	0.90
				9	24	0.12	0.66
				10	24	0.10	0.72
				11	19	0.06	0.87
				12	27	0.19	0.97
				13	23	0.12	0.99
				14	26	0.13	0.74
				15	26	0.11	0.61
				16	27	0.21	1.07
				17	23	0.08	0.66
				18	25	0.10	0.64
				19	24	0.10	0.72
				20	23	0.07	0.58
				21	22	0.05	0.47
			BLUNTHOSE MINNOW	1	71	1.29	0.92
				2	53	1.23	0.63
				3	53	1.21	0.61
				4	51	1.06	0.80
				5	50	0.97	0.75
				6	39	0.42	0.71
				7	33	0.23	0.64
				8	28	0.15	0.64
				9	24	0.06	0.43
				10	21	0.03	0.32
				11	21	0.02	0.22
				12	21	0.03	0.32
				13	21	0.04	0.43
				14	20	0.02	0.25
			BULLHEAD MINNOW	1	46	0.92	0.95
				2	44	0.82	0.96
				3	31	0.23	0.77
				4	25	0.12	0.77
			GREEN SUNFISH	1	26	0.26	1.46
				2	24	0.21	1.52
				3	19	0.06	1.17
				4	17	0.03	0.61
			ORANGESPOTTED SUNFISH	5	17	0.04	0.81
				6	17	0.03	0.61
				1	103	21.56	1.97
				2	90	15.98	2.19
			LONGEAR SUNFISH	3	95	17.60	2.08
				4	62	7.95	1.66
				1	111	33.97	2.46
				2	108	22.16	2.55
				3	90	15.44	2.12
				4	76	8.36	1.90

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	MTL
56	A	07 31 89	LONGEAR SUNFISH	5	77	9.31	2.04
				6	65	5.62	2.12
				7	70	6.68	1.55
				8	52	2.61	1.82
				9	49	2.10	1.78
				10	4	1.77	1.56
				11	49	1.00	1.61
				12	46	1.61	1.47
				13	50	1.84	1.47
				14	49	1.20	1.52
				15	48	1.66	1.41
				16	47	1.33	1.80
				17	47	1.87	1.80
				18	42	1.24	1.67
				19	41	1.09	1.58
				20	35	0.74	1.73
			SMALLMOUTH BASS	1	109	15.60	1.20
			LARGEMOUTH BASS	2	34	0.53	1.35
				1	54	1.66	1.05
				2	38	0.58	1.06
				3	41	0.70	1.02
61	A	07 31 89	BLACK CRAPPIE	4	35	0.54	1.26
				1	60	2.35	1.09
				1	75	3.52	0.83
				1	24	0.20	1.45
				1	47	0.88	0.85
				2	44	0.76	0.89
				1	63	4.33	1.73
				1	335	568.00	1.51
				1	258	286.00	1.67
				1	32	0.29	0.89
				1	40	0.52	0.81
				1	33	0.38	1.06
				2	31	0.25	0.84
				3	32	0.30	0.92
				4	27	0.21	1.07
				1	45	0.79	0.87
				1	100	23.69	2.17
				1	49	1.51	1.28
				1	30	0.23	0.85
				2	28	0.21	0.96
62	A	07 31 89	BROOK SILVERSIDE	3	25	0.13	0.83
				1	52	0.62	0.58
				2	60	1.94	0.40
				3	56	1.67	0.44
				4	52	1.03	0.73
				1	42	0.34	0.46
				2	38	0.28	0.51
				3	36	0.21	0.45
				1	102	21.96	2.07
				1	130	13.86	0.63
				2	102	5.63	0.53
				3	61	1.08	0.48
				1	32	0.26	0.79
				2	31	0.25	0.84
				1	72	4.16	1.17
				2	8	1.92	0.98
				3	59	1.89	0.92
				1	40	0.43	0.47
				2	44	0.45	0.53
				3	40	0.33	0.52
63	A	07 31 89	BROOK SILVERSIDE	4	37	0.27	0.53
				5	34	0.27	0.63
				6	31	0.18	0.60
				7	34	0.19	0.48
				8	25	0.10	0.57
				1	61	1.89	1.71
				1	107	25.71	2.10
				2	21	0.19	2.05
				1	33	0.20	0.56
				2	30	0.17	0.63
				3	25	0.06	0.38
				4	20	0.04	0.50
				5	18	0.03	0.51
				1	93	16.99	2.11
				1	100	12.42	1.24
				1	25	0.12	0.77
				2	25	0.13	0.81
				3	21	0.08	0.86
				4	20	0.07	0.87
				1	50	0.97	0.78
64	A	08 08 89	BLUNTNOSTE MINNOW	1	25	0.17	1.09
				2	21	0.07	0.76
				1	77	9.03	1.96
				2	61	4.15	1.63
				3	22	0.26	2.44
				1	84	11.57	1.95
				2	67	13.29	2.02
				1	101	12.65	1.23
				1	46	0.80	0.82
				2	17	0.03	0.61
				3	29	0.22	0.90
				4	27	0.18	0.91
				5	30	0.23	0.85
				6	26	0.16	0.91
				7	21	0.07	0.76
				1	30	0.22	0.81
				2	31	0.23	0.87
				3	26	0.15	0.85
				4	25	0.11	0.70
				1	25	0.13	0.81
65	A	08 08 89	BROOK SILVERSIDE	2	23	0.09	0.74
				1	40	0.30	0.47
				2	51	0.63	0.47
				3	49	0.58	0.49
				4	38	0.30	0.55
				5	41	0.36	0.52
				6	35	0.23	0.54

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE
DURING JULY/AUGUST 1989 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	MTL
6L	D	08 08 89	BROOK SILVERSIDE	7	47	0.53	0.51
				8	17	0.23	0.45
				9	35	0.21	0.49
				1	90	15.01	2.06
				1	61	4.00	1.76
6R	A	07 31 89	LONGEAR SUNFISH	1	83	11.29	1.97
				2	103	24.33	2.23
				1	101	1.43	0.14
				1	41	0.62	1.19
				1	98	12.46	1.28
			LONGNOSE GAR	1	36	0.38	0.61
				2	37	0.51	1.01
				1	66	2.84	0.99
				1	34	0.35	0.89
				2	22	0.13	1.22
			BULLHEAD MINNOW	1	54	1.61	1.02
				1	42	0.35	0.47
				2	26	0.17	0.97
				1	65	5.60	2.04
				2	58	3.70	1.90
B		08 08 89	JOHNNY DARTER	3	56	3.05	1.74
				1	32	0.32	0.98
				1	100	1.80	0.14
				2	88	1.02	0.15
				1	17	0.03	0.61
			BLUNTNOSSE MINNOW	2	20	0.05	0.62
				3	21	0.06	0.65
				4	29	0.24	1.03
				5	63	2.45	0.98
				6	76	4.32	0.98
			BULLHEAD MINNOW	1	53	1.60	1.07
				2	23	0.11	0.90
				1	22	0.06	0.76
				2	20	0.04	0.50
				1	15	0.03	0.89
C		08 08 89	LONGEAR SUNFISH	1	44	0.89	1.04
				1	38	0.39	0.71
				1	36	0.32	0.64
				1	35	0.43	1.00
				2	36	0.52	1.11
			LARGEMOUTH BASS	3	39	0.60	1.01
				4	31	0.35	1.17
				5	27	0.27	1.17
				5	12	0.37	1.13
				5	12	0.39	1.19
			SPOTFIN SHINER	8	22	0.18	1.69
				1	28	0.21	0.96
				2	27	0.19	0.97
				3	22	0.13	1.22
				4	27	0.10	0.94
D		08 08 89	MIMIC SHINER	1	47	0.50	0.73
				1	22	1.22	0.87
				7	50	1.10	0.88
				3	42	0.73	0.99
				4	34	0.41	1.04
			BLUNTNOSSE MINNOW	5	28	0.17	0.97
				6	25	0.19	1.22
				7	21	0.10	1.08
				6	20	0.11	1.37
				1	56	1.82	1.04
			BULLHEAD MINNOW	2	50	1.27	1.02
				3	31	0.29	0.97
				4	31	0.32	1.07
				5	28	0.23	1.05
				1	41	0.39	0.97
D		08 08 89	BROOK SILVERSIDE	2	3	0.23	0.77
				1	37	0.42	0.83
				1	10	0.28	1.04
				1	31	0.23	0.77
				2	30	0.12	0.44
			JOHNNY DARTER	3	27	0.18	0.91
				4	10	0.22	0.81
				5	22	0.09	0.85
				1	51	1.30	0.97
				2	56	1.66	0.95
			RED SHINER	3	11	0.29	0.97
				4	27	0.19	0.97
				5	29	0.07	0.29
				6	20	0.10	1.25
				7	23	0.09	0.74
D		08 08 89	BULLHEAD MINNOW	8	22	0.10	0.94
				9	22	0.09	0.85
				1	51	1.32	1.00
				2	45	0.83	0.91
				3	22	0.08	0.75

APPENDIX D-1. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1L OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	
LONGNOSE GAR	1979	1	0.5	28.00	0.1	1	0.7	11.67	12.9	2	0.6	39.67	0.2
	1981	1	0.4	1.00	0.0	0	0.0	0.00	0.0	1	0.3	1.00	0.0
	1985	1	0.3	24.00	0.1	0	0.0	0.00	0.0	1	0.1	24.00	0.1
	1988	4	1.0	116.00	0.6	0	0.0	0.00	0.0	4	0.9	116.00	0.6
	1989	6	1.4	776.00	3.0	0	0.0	0.00	0.0	6	1.2	776.00	3.0
	TOTAL	13	0.8	949.00	0.6	1	0.1	11.67	0.7	14	0.5	960.67	0.6
GIZZARD SHAD	1977	5	1.2	144.76	0.3	0	0.0	0.00	0.0	5	0.3	144.76	0.3
	1978	69	23.3	475.40	2.4	0	0.0	0.00	0.0	69	16.9	475.40	2.4
	1979	0	0.0	0.00	0.0	1	0.7	0.40	0.7	1	0.3	0.40	0.0
	1981	1	0.4	265.00	0.4	0	0.0	0.00	0.0	1	0.3	265.00	0.4
	1982	3	3.0	184.83	0.9	0	0.0	0.00	0.0	3	2.4	184.83	0.9
	1983	1	0.7	240.00	0.6	0	0.0	0.00	0.0	1	0.6	240.00	0.6
	1986	1	0.4	3.87	0.0	0	0.0	0.00	0.0	1	0.3	3.87	0.0
	1987	18	3.6	2063.00	7.7	1	1.4	18.27	7.4	19	5.3	2081.27	7.7
	1988	90	22.6	1516.36	7.6	0	0.0	0.00	0.0	90	19.6	1516.36	7.4
	1989	7	1.7	593.00	2.3	2	2.7	0.43	0.1	9	1.8	593.43	2.3
	TOTAL	195	7.1	5486.34	1.6	4	0.2	19.10	0.7	199	4.3	5505.34	1.6
GRASS PICKEREL	1977	1	0.2	53.00	0.1	0	0.0	0.00	0.0	1	0.1	53.00	0.1
	1985	1	0.3	150.00	0.4	0	0.0	0.00	0.0	1	0.1	150.00	0.4
	1986	1	0.4	6.21	0.0	0	0.0	0.00	0.0	1	0.3	6.21	0.0
	1989	0	0.0	0.00	0.0	2	2.7	10.52	2.0	2	0.4	10.52	0.0
	TOTAL	3	0.2	209.21	0.2	2	0.1	10.52	0.5	5	0.1	219.73	0.2
NORTHERN PIKE	1977	1	0.2	58.00	0.1	0	0.0	0.00	0.0	1	0.1	58.00	0.1
	1978	1	0.3	530.00	2.7	0	0.0	0.00	0.0	1	0.2	530.00	2.7
	1979	1	0.5	41.00	0.2	0	0.0	0.00	0.0	1	0.3	41.00	0.2
	1981	1	0.4	682.00	1.1	0	0.0	0.00	0.0	1	0.3	682.00	1.1
	1983	1	0.7	1230.00	2.9	0	0.0	0.00	0.0	1	0.6	1230.00	2.9
	TOTAL	5	0.4	2541.00	1.3	0	0.0	0.00	0.0	5	0.2	2541.00	1.3
CENTRAL STONECROLLER	1986	1	0.4	1.02	0.0	0	0.0	0.00	0.0	1	0.3	1.02	0.0
TOTAL	1	0.4	1.02	0.0	0	0.0	0.00	0.0	1	0.3	1.02	0.0	
CARP	1977	12	2.8	8967.79	16.4	2	0.2	49.93	6.2	14	0.9	8317.72	16.3
	1978	3	1.0	2003.00	10.2	0	0.0	0.00	0.0	3	0.7	2003.00	10.2
	1979	2	1.0	3960.00	15.8	0	0.0	0.00	0.0	2	0.6	3960.00	15.8
	1981	11	4.1	5090.00	8.0	0	0.0	0.00	0.0	11	3.1	5090.00	8.0
	1982	2	2.0	1315.00	3.6	0	0.0	0.00	0.0	2	1.6	1315.00	3.6
	1983	9	6.7	3201.14	7.7	0	0.0	0.00	0.0	9	5.4	3201.14	7.7
	1984	1	0.6	390.00	1.5	0	0.0	0.00	0.0	1	0.4	390.00	1.5
	1985	1	0.3	4082.00	11.2	0	0.0	0.00	0.0	1	0.1	4082.00	11.2
	1986	1	0.4	3084.00	12.5	0	0.0	0.00	0.0	1	0.3	3084.00	12.4
	1987	2	0.7	1840.00	6.9	0	0.0	0.00	0.0	2	0.6	1840.00	6.8
	1988	5	1.3	1386.80	6.9	0	0.0	0.00	0.0	5	1.1	1386.80	6.8
	1989	10	2.4	5615.00	22.0	0	0.0	0.00	0.0	10	2.0	5615.00	21.5
	TOTAL	59	1.8	40434.73	9.9	2	0.1	49.93	1.5	61	1.0	40484.66	9.8
SILVERJAW MINNOW	1978	0	0.0	0.00	0.0	1	0.9	0.51	0.8	1	0.2	0.51	0.0
	1979	0	0.0	0.00	0.0	1	0.7	0.29	0.1	1	0.3	0.29	0.0
	TOTAL	0	0.0	0.00	0.0	2	0.6	0.80	0.9	2	0.3	0.80	0.0
HORNYHEAD CHUB	1977	0	0.0	0.00	0.0	2	0.2	1.51	0.2	2	0.1	1.51	0.0
	1979	0	0.0	0.00	0.0	3	2.2	1.18	1.5	3	0.9	1.18	0.0
	1984	0	0.0	0.00	0.0	1	0.9	0.34	0.2	1	0.4	0.34	0.0
	1985	0	0.0	0.00	0.0	3	0.5	2.35	0.3	3	0.3	2.35	0.0
	1989	1	0.2	6.53	0.0	0	0.0	0.00	0.0	1	0.2	6.53	0.0
	TOTAL	1	0.1	6.53	0.0	9	0.4	5.38	0.3	10	0.3	12.11	0.0
PALLID CHUB	1986	0	0.0	0.00	0.0	2	3.0	0.40	0.2	2	0.6	0.40	0.0
	TOTAL	0	0.0	0.00	0.0	2	3.0	0.40	0.2	2	0.6	0.40	0.0
GOLDEN SHINER	1981	1	0.4	11.00	0.0	0	0.0	0.00	0.0	1	0.3	11.00	0.0
	TOTAL	1	0.4	11.00	0.0	0	0.0	0.00	0.0	1	0.3	11.00	0.0
EMERALD SHINER	1977	1	0.2	3.87	0.0	0	0.0	0.00	0.0	1	0.1	3.87	0.0
	1984	2	1.2	7.42	0.0	0	0.0	0.00	0.0	2	0.7	7.42	0.0
	1989	0	0.0	0.00	0.0	1	1.4	0.31	0.1	1	0.2	0.31	0.0
	TOTAL	3	0.3	11.29	0.0	1	0.1	0.31	0.0	4	0.2	11.60	0.0
STRIPED SHINER	1977	0	0.0	0.00	0.0	26	2.2	16.50	2.1	26	1.6	16.50	0.0
	1978	1	0.3	4.61	0.0	4	3.5	1.32	2.1	5	1.2	5.93	0.0
	1979	0	0.0	0.00	0.0	44	32.1	10.02	11.1	44	13.1	10.02	0.0
	1982	0	0.0	0.00	0.0	2	6.3	3.23	6.5	2	1.6	3.23	0.0
	1983	0	0.0	0.00	0.0	12	35.3	4.18	12.2	12	7.1	4.18	0.0
	1984	0	0.0	0.00	0.0	4	7.7	1.52	0.8	4	1.5	1.52	0.0
	1985	4	1.0	2.57	0.0	31	5.3	18.82	4.0	35	3.6	21.39	0.1
	1986	1	0.4	8.47	0.0	3	4.5	3.25	1.4	4	1.3	11.72	0.0
	1987	1	0.4	0.75	0.0	2	2.7	0.03	0.0	3	0.9	0.78	0.0
	1988	33	8.3	62.72	0.3	0	0.0	0.00	0.0	33	7.2	62.72	0.3
	1989	15	3.6	82.70	0.3	1	1.4	0.46	0.1	16	3.3	83.16	0.3
	TOTAL	55	1.8	162.02	0.0	129	5.2	59.34	1.9	184	3.3	221.36	0.1
RED SHINER	1985	0	0.0	0.00	0.0	1	0.2	0.77	0.2	1	0.1	0.77	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.2	0.77	0.2	1	0.1	0.77	0.0
ROSYFACE SHINER	1977	10	2.3	5.61	0.0	18	1.5	7.44	0.9	28	1.7	13.05	0.0
	1978	1	0.3	4.20	0.0	84	74.3	37.33	60.3	85	20.8	41.53	0.2
	1979	0	0.0	0.00	0.0	3	2.2	0.75	0.8	3	0.9	0.75	0.0
	1982	1	1.0	0.73	0.0	0	0.0	0.00	0.0	1	0.8	0.73	0.0
	1983	0	0.0	0.00	0.0	1	2.9	0.30	0.9	1	3.6	0.30	0.0
	1985	0	0.0	0.00	0.0	50	8.5	10.04	2.2	50	5.1	10.04	0.0
	1986	6	2.4	7.37	0.0	0	0.0	0.00	0.0	6	1.9	7.37	0.0
	1987	1	0.4	1.89	0.0	0	0.0	0.00	0.0	1	0.3	1.89	0.0
	1988	3	0.8	2.70	0.0	0	0.0	0.00	0.0	3	0.7	2.70	0.0
	1989	5	1.2	5.64	0.0	0	0.0	0.00	0.0	5	1.0	5.64	0.0
TOTAL	27	0.9	28.34	0.0	156	6.6	55.86	1.9	183	3.5	84.20	0.0	
SPOTFIN SHINER	1977	26	5.6	112.09	0.2	191	16.1	167.39	20.9	215	13.3	279.68	0.5
	1978	18	6.1	69.37	0.4	2	1.8	5.39	8.7	20	4.9	74.76	0.4
	1979	1	0.5	3.80	0.0	55	40.1	40.53	45.4	56	16.7	44.33	0.2
	1981	9	3.3	32.23	0.1	20	22.7	18.54	7.4	29	8.1	50.77	0.1
	1982	4	4.0	15.16	0.0	4	16.7	17.79	46.8	8	6.5	32.95	0.1
	1983	3	2.2	7.69	0.0	18	52.9	29.21	24.9	21	12.5	36.90	0.1
	1984	12	7.2	32.19	0.1	95	88.8	136.26	73.7	107	37.9	168.45	0.4
	1985	26	6.8	113.24	0.3	142	24.1	81.02	17.4	168	17.3	194.26	0.5
	1986	12	4.8	25.03	0.1	5	7.5	9.73	4.2	17	5.1	34.76	0.1
	1987	63	23.1	81.39	0.3	37	50.0	20.14	8.1	100	28.8	101.53	0.4
	1988	11	2.8	31.51	0.2	0	0.0	0.00	0.0	11	2.4	31.51	0.2
	1989	5	1.2	8.57	0.0	0	0.0	0.00	0.0	5	1.0	8.57	0.0
TOTAL	168	5.7	532.27	0.1	569	22.3	526.62	15.9	737	12.9	1058.89	0.1	

APPENDIX D-1 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1L OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	SNOW	WT (G)	SWT	NO.	SNOW	WT (G)	SWT	NO.	SNOW	WT (G)	SWT	
SILVER REDHORSE	1977	7	1.6	1311.00	2.6	2	0.2	9.86	1.2	9	0.8	1320.86	2.6
	1978	5	1.7	3119.00	15.9	0	0.0	0.00	0.0	5	1.2	3119.00	15.9
	1979	9	4.5	4927.00	19.7	2	1.5	3.00	3.3	11	3.3	4930.00	19.6
	1981	17	6.3	10965.00	17.2	0	0.0	0.00	0.0	17	4.7	10965.00	17.1
	1982	17	17.0	15116.00	41.6	0	0.0	0.00	0.0	17	13.7	15116.00	41.6
	1983	6	4.5	5045.00	12.1	0	0.0	0.00	0.0	6	3.6	5045.00	12.1
	1984	12	7.5	14195.00	35.5	0	0.0	0.00	0.0	12	4.5	14195.00	35.3
	1986	1	0.4	55.00	0.2	0	0.0	0.00	0.0	1	0.3	55.00	0.2
	1988	5	1.3	232.89	1.2	0	0.0	0.00	0.0	5	1.1	232.89	1.1
	1989	3	0.7	140.00	0.5	0	0.0	0.00	0.0	3	0.6	140.00	0.5
	TOTAL	82	3.1	55105.89	15.9	4	0.2	12.86	0.5	86	1.9	55118.75	15.8
RIVER REDHORSE	1977	23	5.4	1519.00	3.0	0	0.0	0.00	0.0	23	1.4	1519.00	3.0
	1978	1	0.3	144.00	0.7	0	0.0	0.00	0.0	1	0.2	144.00	0.7
	1979	12	6.1	287.00	1.1	0	0.0	0.00	0.0	12	3.6	287.00	1.1
	1981	4	1.5	502.00	0.8	0	0.0	0.00	0.0	4	1.1	502.00	0.8
	1982	1	1.0	880.00	2.4	0	0.0	0.00	0.0	1	0.8	880.00	2.4
	1983	1	0.7	46.00	0.1	0	0.0	0.00	0.0	1	0.6	46.00	0.1
	1984	1	0.6	35.00	0.1	0	0.0	0.00	0.0	1	0.4	35.00	0.1
	1985	1	0.3	64.00	0.2	0	0.0	0.00	0.0	1	0.1	64.00	0.2
	1986	34	13.5	2063.61	8.3	1	1.5	21.00	9.1	35	11.0	2084.61	8.4
	1987	3	1.1	422.00	1.6	0	0.0	0.00	0.0	3	0.9	422.00	1.6
	1988	2	0.5	1070.25	5.4	0	0.0	0.00	0.0	2	0.4	1070.25	5.3
	1989	1	0.2	2721.00	10.7	0	0.0	0.00	0.0	1	0.2	2721.00	10.4
	TOTAL	84	2.5	9761.86	2.4	1	0.0	21.00	0.6	85	1.5	9782.86	2.4
BLACK REDHORSE	1985	2	0.5	640.00	1.8	0	0.0	0.00	0.0	2	0.2	640.00	1.7
	TOTAL	2	0.5	640.00	1.8	0	0.0	0.00	0.0	2	0.2	640.00	1.7
GOLDEN REDHORSE	1977	75	17.6	18999.51	37.7	1	0.1	55.00	6.9	76	4.7	19044.51	37.3
	1978	25	8.4	2310.00	11.8	0	0.0	0.00	0.0	25	6.1	2310.00	11.8
	1979	17	8.6	3771.00	15.1	0	0.0	0.00	0.0	17	5.1	3771.00	15.0
	1981	50	18.5	5266.80	8.3	0	0.0	0.00	0.0	50	1	5266.80	8.2
	1982	20	20.0	7025.00	19.3	0	0.0	0.00	0.0	20	16	7025.00	19.3
	1983	2	22.4	10257.00	24.5	0	0.0	0.00	0.0	2	17.9	10257.00	24.5
	1984	58	36.0	9860.92	24.6	0	0.0	0.00	0.0	58	21.6	9860.92	24.5
	1985	33	8.6	3711.24	10.4	27	8.6	60.68	13.0	60	6.2	3851.90	10.4
	1986	70	27.8	6978.77	36.3	4	6.0	37.40	16.3	74	23.2	7016.17	36.1
	1987	50	18.3	6456.72	24.7	0	0.0	0.00	0.0	50	14.4	6456.72	24.0
	1988	23	5.8	5765.49	28.9	0	0.0	0.00	0.0	23	5.0	5765.49	28.3
	1989	41	9.8	3608.89	14.1	0	0.0	0.00	0.0	41	8.4	3608.89	13.8
	TOTAL	492	14.9	86081.44	21.0	32	1.3	153.08	4.6	524	6.9	86234.50	20.9
SHORTHEAD REDHORSE	1977	70	18.4	9553.81	19.0	0	0.0	0.00	0.0	70	4.3	9553.81	18.7
	1978	24	8.1	867.00	4.4	0	0.0	0.00	0.0	24	5.9	867.00	4.4
	1979	3	1.5	184.00	0.7	0	0.0	0.00	0.0	3	0.9	184.00	0.7
	1981	58	21.5	2150.00	38.2	0	0.0	0.00	0.0	58	16.2	2150.00	38.1
	1982	7	7.0	4290.00	1.8	0	0.0	0.00	0.0	7	5.6	4290.00	1.8
	1983	3	2.2	574.00	1.4	0	0.0	0.00	0.0	3	1.8	574.00	1.4
	1984	6	3.7	313.00	0.8	0	0.0	0.00	0.0	6	2.2	313.00	0.8
	1985	7	1.8	2239.57	6.1	4	0.7	6.77	1.5	11	1.1	2246.34	6.1
	1986	13	5.2	1851.30	7.5	0	0.0	0.00	0.0	13	4.1	1851.30	7.4
	1987	4	1.5	2350.00	8.8	0	0.0	0.00	0.0	4	1.2	2350.00	8.7
	1988	27	8.8	1201.75	6.0	0	0.0	0.00	0.0	27	5.9	1201.75	5.9
	1989	9	2.2	922.84	3.6	0	0.0	0.00	0.0	9	1.8	922.84	3.5
	TOTAL	231	7.0	47377.27	11.6	4	0.2	6.77	0.2	235	4.0	47384.04	11.5
UNIDENTIFIED REDHORSE	1977	9	2.1	21.79	0.0	11	0.9	20.19	2.5	20	1.2	41.98	0.1
	1978	1	0.3	1.00	0.3	7	6.2	4.63	7.5	8	2.0	5.72	0.0
	1979	0	0.0	0.00	0.0	1	0.7	0.23	0.3	1	0.3	0.23	0.0
	1981	0	0.0	0.00	0.0	15	17.0	5.09	2.0	15	4.2	5.09	0.0
	TOTAL	10	0.8	22.48	0.0	34	2.2	30.14	2.5	44	1.6	53.02	0.0
YELLOW BULLHEAD	1985	2	0.5	242.00	0.7	0	0.0	0.00	0.0	2	0.2	242.00	0.7
	1986	1	0.4	30.00	0.1	0	0.0	0.00	0.0	1	0.3	30.00	0.1
	1989	1	0.2	49.00	0.2	0	0.0	0.00	0.0	1	0.2	49.00	0.2
	TOTAL	4	0.4	321.00	0.4	0	0.0	0.00	0.0	4	0.2	321.00	0.4
CHANNEL CATFISH	1977	3	0.7	309.00	0.6	0	0.0	0.00	0.0	3	0.2	309.00	0.6
	1978	1	0.3	435.00	2.2	0	0.0	0.00	0.0	1	0.2	435.00	2.2
	1979	3	1.5	768.00	3.1	0	0.0	0.00	0.0	3	0.9	768.00	3.1
	1981	3	1.1	3040.00	4.8	1	1.1	0.22	0.1	4	1.1	3040.22	4.8
	1986	1	0.4	340.00	1.5	0	0.0	0.00	0.0	1	0.3	340.00	1.5
	1989	1	0.2	1420.00	5.6	0	0.0	0.00	0.0	1	0.2	1420.00	5.4
	TOTAL	12	0.6	6352.00	3.0	1	0.1	0.22	0.0	13	0.4	6352.22	3.0
STONEGAT	1977	3	0.7	53.00	0.1	0	0.0	0.00	0.0	3	0.2	53.00	0.1
	1978	2	0.7	33.00	0.2	0	0.0	0.00	0.0	2	0.5	33.00	0.2
	1981	1	0.4	40.00	0.1	0	0.0	0.00	0.0	1	0.3	40.00	0.1
	1984	1	0.6	19.00	0.0	0	0.0	0.00	0.0	1	0.4	19.00	0.0
	1985	1	0.3	19.48	0.1	0	0.0	0.00	0.0	1	0.1	19.48	0.1
	1987	1	0.4	7.36	0.0	0	0.0	0.00	0.0	1	0.3	7.36	0.0
	TOTAL	9	0.5	171.82	0.1	0	0.0	0.00	0.0	9	0.2	171.82	0.1
BLACKSTRIP TOPMINNOW	1977	0	0.0	0.00	0.0	1	0.1	0.40	0.0	1	0.1	0.40	0.0
	1985	0	0.0	0.00	0.0	1	0.2	0.01	0.0	1	0.1	0.01	0.0
	1987	0	0.0	0.00	0.0	1	1.4	0.14	0.1	1	0.3	0.14	0.0
	1988	0	0.0	0.00	0.0	2	3.3	0.76	0.2	2	0.4	0.76	0.0
	TOTAL	0	0.0	0.00	0.0	5	0.3	1.31	0.1	5	0.1	1.31	0.0
BROOK SILVERSIDE	1977	0	0.0	0.00	0.0	8	0.7	4.77	0.6	8	0.5	4.77	0.0
	1985	0	0.0	0.00	0.0	8	1.4	1.98	0.4	8	0.8	1.98	0.0
	1988	3	0.8	4.27	0.0	1	1.6	0.44	0.1	4	0.9	4.71	0.0
	1989	7	1.7	6.32	0.0	1	4.1	1.47	0.3	10	2.0	7.79	0.0
	TOTAL	10	0.6	10.59	0.0	20	1.0	8.68	0.4	30	0.8	19.25	0.0
ROCK BASS	1977	39	9.2	2171.91	4.3	8	0.7	64.90	8.1	47	2.9	2236.81	4.4
	1978	20	6.8	742.00	3.8	0	0.0	0.00	0.0	20	4.9	742.00	3.8
	1979	24	12.1	1576.00	6.3	0	0.0	0.00	0.0	24	7.2	1576.00	6.3
	1981	32	11.9	3460.00	5.4	0	0.0	0.00	0.0	32	6.9	3460.00	5.4
	1982	8	8.0	540.00	1.5	0	0.0	0.00	0.0	8	6.5	540.00	1.5
	1983	8	6.0	661.00	2.1	0	0.0	0.00	0.0	8	4.8	661.00	2.1
	1984	5	3.1	655.00	1.6	0	0.0	0.00	0.0	5	1.9	655.00	1.6
	1985	93	24.3	4144.49	11.4	0	0.0	0.00	0.0	93	0.6		

APPENDIX D-1 (CONT.) TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1L OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	\$NO.	WT(G)	SWT	NO.	\$NO.	WT(G)	SWT	NO.	\$NO.	WT(G)	SWT	
GREEN SUNFISH	1977	8	1.9	91.42	0.2	3	0.3	27.52	3.4	11	0.7	118.94	0.2
	1978	9	3.0	157.00	0.8	0	0.0	0.00	0.0	9	2.2	157.00	0.8
	1979	9	4.5	207.00	0.8	0	0.0	0.00	0.0	9	2.7	207.00	0.8
	1981	6	2.2	137.00	0.2	0	0.0	0.00	0.0	6	1.7	137.00	0.2
	1982	1	1.0	30.00	0.1	0	0.0	0.00	0.0	1	0.8	30.00	0.1
	1983	1	0.7	11.00	0.0	0	0.0	0.00	0.0	1	0.6	11.00	0.0
	1984	2	1.2	43.00	0.1	0	0.0	0.00	0.0	2	0.7	43.00	0.1
	1985	15	3.9	317.01	0.9	0	0.0	0.00	0.0	15	1.5	317.01	0.9
	1987	3	1.1	4.59	0.0	1	1.4	0.02	0.0	4	1.2	4.61	0.0
	1988	0	0.0	0.00	0.0	4	6.8	66.56	16.9	4	0.9	66.56	0.3
	1989	8	1.9	52.07	0.2	1	1.4	2.69	0.3	9	1.8	54.76	0.2
	TOTAL	62	2.0	1050.09	0.3	9	0.4	96.79	3.1	71	1.3	1146.88	0.3
ORANGESPOTTED SUNFISH	1979	1	0.5	9.00	0.0	0	0.0	0.00	0.0	1	0.3	9.00	0.0
	1981	3	1.1	14.00	0.0	4	4.5	14.29	5.7	7	2.0	28.29	0.0
	1982	0	0.0	0.00	0.0	1	4.2	0.21	0.6	1	0.8	0.21	0.0
	1985	8	2.1	37.42	0.1	0	0.0	0.00	0.0	8	0.8	37.42	0.1
	1986	4	1.6	31.31	0.1	0	0.0	0.00	0.0	4	1.3	31.31	0.1
	TOTAL	16	1.3	91.73	0.0	5	0.6	14.50	1.3	21	1.0	106.23	0.1
BLUEGILL	1977	0	0.0	0.00	0.0	13	1.1	1.92	0.2	13	0.8	1.92	0.0
	1978	10	3.4	91.00	0.0	0	0.0	0.00	0.0	10	2.4	91.00	0.5
	1981	0	0.0	0.00	0.0	1	1.1	2.72	1.1	1	0.3	2.72	0.0
	1985	0	0.0	0.00	0.0	25	4.3	2.71	0.6	25	2.6	2.71	0.0
	1986	2	0.8	25.00	0.1	0	0.0	0.00	0.0	2	0.6	25.00	0.1
	1987	1	0.4	15.00	0.1	1	1.4	0.08	0.0	2	0.6	15.08	0.1
	1988	2	0.5	47.00	0.2	0	0.0	0.00	0.0	2	0.4	47.00	0.2
	1989	5	1.4	36.25	0.1	2	2.7	8.07	1.6	7	1.6	44.32	0.2
	TOTAL	21	0.8	215.28	0.1	42	1.9	15.50	0.5	63	1.3	230.78	0.1
NORTHERN LONGEAR SUNFISH	1977	16	3.8	257.69	0.5	0	0.0	0.00	0.0	16	1.0	257.69	0.5
	TOTAL	16	3.8	257.69	0.5	0	0.0	0.00	0.0	16	1.0	257.69	0.5
LONGEAR SUNFISH	1977	7	1.6	87.83	0.2	9	0.8	3.25	0.4	16	1.0	91.08	0.2
	1978	38	12.8	745.84	3.6	0	0.0	0.00	0.0	38	9.3	745.84	3.6
	1979	39	19.7	865.03	2.7	0	0.0	0.00	0.0	39	11.6	865.03	2.6
	1981	17	6.3	448.00	0.7	2	2.3	2.45	1.0	19	5.3	450.45	0.7
	1982	3	3.0	90.00	0.2	0	0.0	0.00	0.0	3	2.4	90.00	0.2
	1983	2	1.5	53.00	0.1	0	0.0	0.00	0.0	2	1.2	53.00	0.1
	1985	28	7.3	488.29	1.3	2	0.3	43.25	9.3	30	3.1	531.54	1.4
	1986	16	6.3	221.72	0.9	1	1.5	2.68	1.2	17	5.3	224.40	0.9
	1987	27	9.9	434.06	1.6	9	12.2	177.86	71.9	36	10.4	611.92	2.3
	1988	15	3.8	259.78	1.3	5	6.2	70.44	17.8	20	4.3	330.22	1.6
	1989	104	24.9	1187.52	5.4	30	41.1	310.92	60.1	134	27.3	1698.44	6.5
	TOTAL	296	9.4	4880.87	1.3	38	2.4	610.85	19.5	354	6.3	5491.72	1.5
GREEN SUNFISH HYBRID	1981	1	0.4	10.00	0.0	0	0.0	0.00	0.0	1	0.3	10.00	0.0
	TOTAL	1	0.4	10.00	0.0	0	0.0	0.00	0.0	1	0.3	10.00	0.0
UNIDENTIFIED SUNFISH	1981	0	0.0	0.00	0.0	1	1.1	0.08	0.0	1	0.3	0.08	0.0
	1982	0	0.0	0.00	0.0	1	4.2	0.05	0.1	1	0.8	0.05	0.0
	TOTAL	0	0.0	0.00	0.0	2	1.8	0.13	0.0	2	0.4	0.13	0.0
SMALLMOUTH BASS	1977	51	12.0	5357.10	10.6	2	0.2	11.75	1.5	53	3.3	5368.85	10.5
	1978	51	17.2	4993.87	25.3	0	0.0	0.00	0.0	51	12.5	4993.87	25.4
	1979	51	25.8	5504.84	22.0	1	0.7	3.95	4.4	52	15.5	5508.79	21.9
	1981	32	11.9	5066.00	8.0	2	2.3	11.43	4.6	34	9.5	5077.43	7.9
	1982	27	27.0	5452.00	15.0	2	8.3	5.74	15.1	29	23.4	5457.74	15.0
	1983	39	29.1	5150.72	12.3	0	0.0	0.00	0.0	39	21.2	5150.72	12.3
	1984	36	22.4	4576.00	11.4	1	0.9	42.00	22.7	37	13.8	4618.00	11.5
	1985	124	32.4	15625.92	43.5	12	2.0	55.64	12.0	136	14.0	15681.61	43.1
	1986	38	15.1	3422.43	13.8	1	1.5	12.69	3.5	39	12.2	3435.12	13.8
	1987	50	18.3	7455.93	27.9	0	0.0	0.00	0.0	50	14.4	7455.93	27.7
	1988	94	23.6	4099.59	20.5	42	68.9	230.52	58.4	136	29.6	4330.11	21.3
	1989	124	29.7	4654.70	18.2	7	9.6	55.49	10.7	131	26.7	4710.19	18.1
	TOTAL	717	21.7	71558.70	17.4	70	2.7	429.26	12.9	787	13.4	71987.96	17.4
LARGERMOUTH BASS	1977	5	1.2	137.00	0.3	1	0.1	14.62	1.8	6	0.4	151.62	0.3
	1978	3	1.0	10.51	0.1	2	1.8	5.53	8.9	5	1.2	16.06	0.1
	1979	2	1.0	16.80	0.1	1	0.7	2.56	2.8	3	0.9	19.36	0.1
	1981	4	0.7	365.00	0.6	0	0.0	0.00	0.0	4	0.6	365.00	0.6
	1983	1	0.7	95.00	0.2	0	0.0	0.00	0.0	1	0.6	95.00	0.2
	1986	1	0.4	19.00	0.1	0	0.0	0.00	0.0	1	0.2	19.00	0.1
	1987	1	0.4	5.30	0.0	3	4.1	21.44	8.7	4	1.2	26.74	0.1
	1989	1	0.2	2.08	0.0	4	5.5	6.59	1.3	5	1.0	8.67	0.0
	TOTAL	16	0.7	650.71	0.2	11	0.6	50.74	2.3	27	0.7	701.45	0.2
WHITE CRAPPIE	1977	0	0.0	0.00	0.0	6	0.5	2.69	0.3	6	0.4	2.69	0.0
	1978	0	0.0	0.00	0.0	4	3.5	2.76	4.5	4	1.0	2.76	0.0
	1979	2	1.0	101.00	0.4	2	1.5	1.92	2.1	4	1.2	102.92	0.4
	1981	7	2.6	877.00	1.4	4	4.5	156.00	66.1	11	3.1	1043.00	1.6
	1984	1	0.6	43.00	0.1	0	0.0	0.00	0.0	1	0.4	43.00	0.1
	TOTAL	10	0.7	1021.00	0.5	16	1.0	173.37	12.5	26	0.9	1194.37	0.6
BLACK CRAPPIE	1977	3	0.7	49.03	0.1	16	1.3	54.34	6.8	19	1.2	103.37	0.2
	1979	1	0.5	21.00	0.1	4	2.9	3.58	4.0	5	1.5	34.58	0.1
	1981	2	0.7	237.00	0.4	6	9.1	7.11	2.8	10	2.8	244.11	0.4
	1989	0	0.0	0.00	0.0	1	1.4	2.15	0.4	1	0.2	2.15	0.0
	TOTAL	6	0.5	317.03	0.2	29	2.0	67.18	4.0	35	1.3	384.21	0.2
JOHNNY DARTER	1977	1	0.2	1.16	0.0	3	0.3	1.75	0.2	4	0.7	2.91	0.0
	1978	0	0.0	0.00	0.0	6	5.3	1.99	3.2	6	1.5	1.99	0.0
	1983	0	0.0	0.00	0.0	2	5.9	0.64	1.9	2	1.2	0.64	0.0
	1984	0	0.0	0.00	0.0	2	1.9	0.63	0.3	2	0.7	0.63	0.0
	1986	0	0.0	0.00	0.0	4	6.0	1.04	0.5	4	1.3	1.04	0.0
	TOTAL	1	0.1	1.16	0.0	17	1.1	6.05	0.5	18	0.6	7.21	0.0
BANDED DARTER	1988	4	1.0	3.42	0.0	0	0.0	0.00	0.0	4	0.9	3.42	0.0
	1989	1	0.2	1.41	0.0	0	0.0	0.00	0.0	1	0.2	1.41	0.0
	TOTAL	5	0.6	4.83	0.0	0	0.0	0.00	0.0	5	0.5	4.83	0.0
LOG PERCH	1987	1	0.4	3.06	0.0	0	0.0	0.00	0.0	1	0.3	3.06	0.0
	1988	9	2.3	32.12	0.2	0	0.0	0.00	0.0	9	2.0	32.12	0.2
	1989	7	1.7	45.35	0.2	0	0.0	0.00	0.0	7	1.4	45.35	0.2
	TOTAL	17	1.6	80.53	0.1	0	0.0	0.00	0.0	17	1.3	80.53	0.1
BLACKSIDE DARTER	1978	1	0.3	2.08	0.0	0	0.0	0.00	0.0	1	0.2	2.08	0.0
	1988	1	0.3	1.19	0.0	0	0.0	0.00	0.0	1	0.2	1.19	0.0
	1989	2	0.5	7.20	0.0	0	0.0	0.00	0.0	2	0.4	7.20	0.0
	TOTAL	4	0.4	10.47	0.0	0	0.0	0.00	0.0	4	0.3	10.47	0.0

APPENDIX D-1 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1L OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES	-----ELECTROFISHING-----				-----SEINING-----				-----TOTAL-----				
	NO.	\$NO.	WT (G)	\$WT	NO.	\$NO.	WT (G)	\$WT	NO.	\$NO.	WT (G)	\$WT	
S. ENDERLEAD CARTER	1985	0	0.0	0.00	0.0	1	0.2	0.80	0.2	1	0.1	0.80	0.0
	1986	0	0.0	0.00	0.0	1	1.5	1.96	0.2	1	0.3	1.96	0.0
	1988	3	0.8	12.15	0.1	0	0.0	0.00	0.0	3	0.7	12.15	0.1
	1989	7	1.7	21.10	0.1	0	0.0	0.00	0.0	7	1.4	21.10	0.1
	TOTAL	10	0.7	33.25	0.0	2	0.3	2.76	0.2	12	0.5	36.01	0.0
WALLEYE	1977	6	1.4	337.00	0.7	0	0.0	0.00	0.0	6	0.4	337.00	0.7
	1979	2	1.0	59.00	0.2	0	0.0	0.00	0.0	2	0.6	59.00	0.2
	1981	1	0.4	382.00	0.6	0	0.0	0.00	0.0	1	0.3	382.00	0.6
	TOTAL	9	1.0	778.00	0.6	0	0.0	0.00	0.0	9	0.4	778.00	0.6

APPENDIX D-2. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1R OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT
LONGNOSE GAR	1977	1	0.4	81.00	0.7	0	0.0	0.00	0.0	1	0.1	81.00	0.7
	1979	1	1.4	1940.00	9.7	0	0.0	0.00	0.0	1	0.4	1940.00	9.6
	1985	1	0.5	15.00	0.1	0	0.0	0.00	0.0	1	0.1	15.00	0.1
	1986	1	0.5	2.00	0.0	0	0.0	0.00	0.0	1	0.4	2.00	0.0
	1988	2	0.8	56.00	0.4	2	1.1	27.16	3.8	4	0.9	85.16	0.8
TOTAL	6	0.7	2096.00	2.6	2	0.1	27.16	1.1	8	0.3	2123.16	2.5	
GIZZARD SHAD	1977	1	0.6	30.00	0.3	0	0.0	0.00	0.0	1	0.1	30.00	0.2
	1978	74	50.7	489.68	3.3	0	0.0	0.00	0.0	74	25.1	489.68	3.3
	1981	2	1.6	10.64	0.0	0	0.0	0.00	0.0	2	1.1	10.64	0.0
	1985	5	2.3	30.20	0.4	0	0.0	0.00	0.0	5	0.7	30.20	0.4
	1986	7	3.8	882.10	3.7	0	0.0	0.00	0.0	7	2.6	882.10	3.7
	1987	11	6.4	337.30	1.8	0	0.0	0.00	0.0	11	3.5	337.30	1.8
	1988	74	29.6	2436.20	12.5	0	0.0	0.00	0.0	74	17.1	2436.20	12.5
	1989	4	1.3	273.00	1.7	0	0.0	0.00	0.0	4	1.2	273.00	1.7
	TOTAL	178	11.4	4409.12	3.3	0	0.0	0.00	0.0	178	5.2	4409.12	3.2
GRASS PICKEREL	1981	1	0.8	64.00	0.2	0	0.0	0.00	0.0	1	0.6	64.00	0.2
	1984	3	1.3	35.00	0.2	0	0.0	0.00	0.0	3	1.2	35.00	0.2
	1985	1	0.5	66.00	0.5	0	0.0	0.00	0.0	1	0.1	66.00	0.5
	1986	2	1.0	31.00	0.1	0	0.0	0.00	0.0	2	0.8	31.00	0.1
	1987	1	0.6	16.00	0.1	1	0.7	14.53	5.2	2	0.8	30.53	0.2
	1989	5	1.7	37.41	0.2	0	0.0	0.00	0.0	5	1.5	37.41	0.2
TOTAL	13	1.1	209.41	0.2	1	0.1	14.53	0.9	14	0.7	209.94	0.2	
NORTHERN P.KE	1981	1	0.8	860.00	3.0	0	0.0	0.00	0.0	1	0.6	860.00	3.0
	1982	1	1.8	1702.00	5.5	0	0.0	0.00	0.0	1	1.4	1702.00	5.5
	1986	1	0.5	735.00	4.1	0	0.0	0.00	0.0	1	0.4	735.00	4.1
	TOTAL	3	0.8	3297.00	4.0	0	0.0	0.00	0.0	3	0.6	3297.00	3.9
CARP	1977	1	0.6	1000.00	8.6	0	0.0	0.00	0.0	1	0.1	1000.00	8.6
	1978	3	2.1	2206.00	19.0	1	1.5	112.00	10.5	4	1.9	2320.00	19.6
	1979	3	4.3	2355.00	11.8	0	0.0	0.00	0.0	3	1.3	2355.00	11.7
	1981	8	6.5	6145.00	21.4	0	0.0	0.00	0.0	8	4.4	6145.00	21.3
	1982	16	26.6	21386.00	69.6	0	0.0	0.00	0.0	16	21.9	21386.00	69.5
	1985	1	0.5	1290.00	9.6	0	0.0	0.00	0.0	1	0.1	1290.00	9.2
	1987	1	0.6	3175.00	24.1	0	0.0	0.00	0.0	1	0.3	3175.00	23.6
	1988	8	3.2	877.00	6.7	0	0.0	0.00	0.0	8	1.8	877.00	6.3
	1989	3	1.0	2970.00	18.6	0	0.0	0.00	0.0	3	0.9	2970.00	18.4
	TOTAL	44	2.9	41406.00	25.8	1	0.1	112.00	3.8	45	1.3	41518.00	25.2
SILVERJAW MINNOW	1979	0	0.0	0.00	0.0	1	0.6	0.16	0.1	1	0.4	0.16	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.6	0.16	0.1	1	0.4	0.16	0.0
HORNYHEAD CHUB	1977	0	0.0	0.00	0.0	2	0.2	1.19	0.2	2	0.2	1.19	0.0
	1978	0	0.0	0.00	0.0	1	1.5	0.43	0.3	1	0.5	0.43	0.0
	1979	0	0.0	0.00	0.0	2	1.3	1.50	1.1	2	0.9	1.50	0.0
	1985	6	2.8	33.28	0.2	12	2.5	12.62	2.3	18	2.5	46.10	0.3
	1986	1	0.5	6.81	0.0	1	1.4	7.72	2.0	2	0.8	14.33	0.1
	1987	2	1.2	26.67	0.2	2	1.4	1.27	0.5	4	1.3	27.94	0.2
	1988	0	0.0	0.00	0.0	1	0.5	1.07	0.1	1	0.2	1.07	0.0
	1989	1	0.3	16.00	0.1	1	1.0	15.04	8.8	2	0.6	31.04	0.2
	TOTAL	10	0.7	82.36	0.1	22	1.1	41.04	1.3	32	0.9	123.60	0.1
EMERALD SHINER	1983	1	1.7	9.50	0.1	0	0.0	0.00	0.0	1	0.6	9.50	0.1
	TOTAL	1	1.7	9.50	0.1	0	0.0	0.00	0.0	1	0.6	9.50	0.1
STRIPED SHINER	1977	0	0.0	0.00	0.0	1	0.3	0.41	0.1	1	0.1	0.41	0.0
	1978	0	0.0	0.00	0.0	13	20.0	4.36	2.7	13	6.2	4.36	0.0
	1982	0	0.0	0.00	0.0	5	29.4	1.68	4.3	5	6.8	1.68	0.0
	1983	0	0.0	0.00	0.0	47	40.9	17.30	9.5	47	26.9	17.30	0.2
	1984	1	0.5	2.97	0.0	2	3.6	0.20	0.4	3	1.2	3.17	0.0
	1985	7	3.3	23.20	0.2	51	10.6	29.83	5.4	58	8.3	53.03	0.4
	1986	1	0.3	4.49	0.0	0	0.0	0.00	0.0	1	0.4	4.49	0.0
	1987	1	0.6	11.00	0.1	1	0.7	0.34	0.1	2	0.6	11.34	0.1
	1988	12	4.8	29.46	0.2	0	0.0	0.00	0.0	12	2.8	29.46	0.2
	1989	6	2.0	41.02	0.3	4	12.1	21.57	12.6	10	3.0	64.59	0.4
	TOTAL	28	1.6	114.14	0.1	124	6.2	75.69	2.3	152	4.1	189.83	0.1
RED SHINER	1984	0	0.0	0.00	0.0	1	1.8	0.45	1.0	1	0.4	0.45	0.0
	1985	1	0.5	5.28	0.0	1	0.2	0.97	0.2	2	0.3	6.25	0.0
	TOTAL	1	0.2	5.28	0.0	2	0.4	1.42	0.2	3	0.3	6.70	0.0

APPENDIX D-2 (CONT.) TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1R OF THE BROADWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES		---ELECTROFISHING---				-----SEINING-----				-----TOTAL-----			
		NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT
ROSYFACE SHINER	1977	3	1.8	1.88	0.0	40	4.9	17.92	2.5	43	4.3	19.80	0.2
	1981	1	0.8	0.98	0.0	0	0.0	0.00	0.0	1	0.8	0.98	0.0
	1983	1	1.7	0.20	0.0	0	0.0	0.00	0.0	1	0.6	0.20	0.0
	1985	0	0.0	0.00	0.0	43	8.9	15.24	2.8	43	8.2	15.24	0.1
	1986	7	3.6	11.62	0.1	0	0.0	0.00	0.0	7	2.6	11.62	0.0
	1987	1	0.6	1.42	0.0	0	0.0	0.00	0.0	1	0.3	1.42	0.0
	1988	5	2.0	5.57	0.0	33	18.0	24.12	3.2	38	8.8	29.69	0.2
	1989	1	0.3	2.36	0.0	0	0.0	0.00	0.0	1	0.3	2.36	0.0
	TOTAL	19	1.3	24.23	0.0	116	6.1	57.28	1.8	135	4.0	81.51	0.1
SPOTFIN SHINER	1977	28	16.8	125.18	1.1	217	26.4	256.02	36.0	245	24.7	384.20	3.1
	1978	7	4.8	24.51	0.2	3	4.6	7.69	4.8	10	4.7	32.20	0.2
	1979	1	1.4	3.82	0.0	77	49.0	65.41	41.0	78	34.4	69.23	0.3
	1981	4	3.2	10.58	0.0	15	26.3	17.59	11.6	19	10.5	28.17	0.1
	1982	10	17.9	45.66	0.1	3	17.6	10.46	26.9	13	17.8	56.12	0.2
	1983	8	13.3	28.38	0.3	20	17.4	33.58	18.5	28	16.0	81.96	0.7
	1984	3	1.5	10.78	0.1	35	63.6	31.57	70.2	38	14.9	42.35	0.2
	1985	12	5.6	55.68	0.4	92	19.1	75.64	13.7	104	14.9	131.32	0.9
	1986	17	8.8	36.86	0.2	12	16.7	21.72	5.7	29	10.9	58.58	0.2
	1987	20	11.6	26.71	0.2	35	24.1	10.69	3.8	55	17.3	37.40	0.3
	1988	8	3.2	29.29	0.2	4	2.2	11.09	1.5	12	2.8	40.38	0.3
	1989	0	0.0	0.00	0.0	1	3.0	4.45	2.8	1	0.3	4.45	0.0
	TOTAL	118	6.0	400.45	0.2	518	23.3	545.91	15.4	632	15.2	946.36	0.4
SAND SHINER	1977	1	0.6	0.87	0.0	111	13.5	57.68	8.1	112	11.3	58.55	0.5
	1978	0	0.0	0.00	0.0	9	13.8	2.07	1.3	9	4.3	2.07	0.0
	1979	0	0.0	0.00	0.0	38	24.2	22.98	16.5	38	16.7	22.98	0.1
	1981	1	0.8	0.36	0.0	0	0.0	0.00	0.0	1	0.6	0.36	0.0
	1982	2	3.3	2.18	0.0	9	7.8	5.64	3.1	11	6.3	7.84	0.1
	1984	1	0.5	0.46	0.0	1	1.8	0.41	0.9	2	0.8	0.87	0.0
	1985	0	0.0	0.00	0.0	42	8.7	19.58	3.5	42	6.0	19.58	0.1
	1986	1	0.6	0.00	0.0	1	1.4	2.05	0.5	2	0.4	2.05	0.0
	1987	3	1.7	2.25	0.0	46	11.0	12.69	4.5	49	6.0	14.94	0.1
	TOTAL	8	0.6	6.12	0.0	227	11.5	123.12	4.7	235	7.1	129.24	0.1
REDFIN SHINER	1977	0	0.0	0.00	0.0	1	0.1	0.11	0.0	1	0.1	0.11	0.0
	1988	0	0.0	0.00	0.0	1	0.5	1.26	0.2	1	0.2	1.26	0.0
	TOTAL	0	0.0	0.00	0.0	2	0.2	1.37	0.1	2	0.1	1.37	0.0
MIMIC SHINER	1977	0	0.0	0.00	0.0	4	0.5	1.24	0.2	4	0.4	1.24	0.0
	1985	0	0.0	0.00	0.0	2	0.4	1.76	0.3	2	0.3	1.76	0.0
	1986	0	0.0	0.00	0.0	4	5.6	3.80	1.0	4	1.5	3.80	0.0
	1987	1	0.6	0.75	0.0	24	16.6	16.48	5.9	25	7.9	17.24	0.1
	1989	0	0.0	0.00	0.0	1	3.0	1.02	0.6	1	0.3	1.02	0.0
	TOTAL	1	0.1	0.76	0.0	35	2.3	24.30	1.2	36	1.4	25.06	0.0
SUCKERMOUTH MINNOW	1978	0	0.0	0.00	0.0	2	3.7	0.51	0.3	2	0.9	0.51	0.0
	1979	0	0.0	0.00	0.0	1	0.6	0.31	0.2	1	0.4	0.31	0.0
	1982	1	1.8	1.85	0.0	3	17.6	1.50	3.9	4	5.5	3.35	0.0
	1983	2	3.3	2.15	0.0	0	0.0	0.00	0.0	2	1.1	2.15	0.0
	1985	0	0.0	0.00	0.0	5	1.0	4.35	0.8	5	0.7	4.35	0.0
	1987	1	0.6	0.68	0.0	0	0.0	0.00	0.0	1	0.3	0.68	0.0
	TOTAL	4	0.6	4.88	0.0	11	1.1	6.67	0.5	15	0.9	11.55	0.0
BLUNTNOSE MINNOW	1977	5	3.0	7.59	0.1	132	16.0	82.69	11.6	137	13.8	90.28	0.7
	1978	0	0.0	0.00	0.0	20	30.8	22.00	13.8	20	9.5	22.00	0.1
	1979	1	1.4	2.45	0.0	28	17.8	33.06	23.7	29	12.8	35.51	0.2
	1981	1	0.8	0.28	0.0	7	12.3	3.14	2.1	8	4.4	3.42	0.0
	1982	0	0.0	0.00	0.0	4	23.5	5.22	13.4	4	5.5	5.22	0.0
	1983	0	0.0	0.00	0.0	33	28.7	45.22	24.9	33	18.9	45.22	0.5
	1984	18	9.0	31.67	0.2	5	5.5	2.28	5.1	21	8.2	33.95	0.2
	1985	11	3.1	28.93	0.2	43	8.9	46.42	8.4	54	7.7	75.35	0.5
	1986	10	5.2	22.83	0.1	14	19.4	34.18	9.0	24	9.0	57.01	0.2
	1987	8	4.6	11.59	0.1	43	29.7	55.84	19.9	51	16.0	67.43	0.5
	1988	13	6.0	42.43	0.3	9	4.9	40.00	5.4	24	5.5	83.43	0.6
	1989	8	2.7	19.40	0.1	10	30.3	24.24	14.2	18	5.4	43.64	0.3
	TOTAL	77	3.9	188.17	0.1	346	15.7	394.29	11.1	423	10.2	562.46	0.3
BULLHEAD MINNOW	1977	31	18.6	90.61	0.8	178	21.6	215.58	30.3	209	21.1	306.19	2.5
	1978	14	9.6	41.92	0.3	2	1.1	3.85	2.3	16	7.6	45.78	0.3
	1979	2	2.9	6.06	0.0	4	2.5	6.51	4.7	6	2.6	12.59	0.1
	1981	1	0.8	5.83	0.0	8	14.0	9.30	3.6	9	5.0	11.33	0.0
	1982	0	0.0	0.00	0.0	1	5.9	0.05	0.1	1	1.4	0.05	0.0
	1983	1	1.7	2.57	0.0	3	2.6	5.08	2.6	4	2.3	7.65	0.1
	1984	2	1.0	4.00	0.0	3	5.5	6.87	15.3	5	2.0	10.87	0.1
	1985	0	0.0	0.00	0.0	61	12.7	123.12	22.3	61	8.8	123.12	0.9
	1986	0	0.0	0.00	0.0	3	4.2	4.29	1.1	3	1.1	4.29	0.0
	1987	3	1.7	4.97	0.0	4	2.8	2.99	1.1	7	2.2	7.96	0.1
	1989	2	0.7	3.11	0.0	1	3.0	1.82	1.1	3	0.9	4.93	0.0
	TOTAL	56	3.3	159.07	0.1	288	13.3	375.49	13.4	324	8.7	534.56	0.3
CREEK CHUB	1978	0	0.0	0.00	0.0	3	4.6	1.16	0.7	3	1.4	1.16	0.0
	TOTAL	0	0.0	0.00	0.0	3	4.6	1.16	0.7	3	1.4	1.16	0.0
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	103	12.5	5.46	0.8	103	10.4	5.46	0.0
	TOTAL	0	0.0	0.00	0.0	103	12.5	5.46	0.8	103	10.4	5.46	0.0
QUILLBACK	1977	1	0.6	450.00	3.9	0	0.0	0.00	0.0	1	0.1	450.00	3.6
	1978	3	2.1	1990.00	13.5	0	0.0	0.00	0.0	3	1.4	1990.00	13.4
	1979	2	2.9	655.00	3.3	0	0.0	0.00	0.0	2	0.9	655.00	3.2
	1981	2	1.6	765.00	2.7	0	0.0	0.00	0.0	2	1.1	765.00	2.7
	1982	2	3.6	970.00	3.2	0	0.0	0.00	0.0	2	2.7	970.00	3.2
	1983	8	13.3	3850.00	45.5	0	0.0	0.00	0.0	8	4.6	3850.00	44.5
	1984	5	2.5	3170.00	18.6	0	0.0	0.00	0.0	5	2.0	3170.00	18.5
	1985	5	2.3	2268.00	16.9	0	0.0	0.00	0.0	5	0.7	2268.00	16.2
	1986	6	3.1	3495.00	14.9	0	0.0	0.00	0.0	6	2.3	3495.00	14.8
	1987	2	1.2	1415.00	10.7	0	0.0	0.00	0.0	2	0.6	1415.00	10.5
	1988	4	1.6	3427.70	25.0	2	1.1	14.52	1.9	6	1.4	3442.22	24.7
	1989	3	1.0	1409.00	8.8	0	0.0	0.00	0.0	3	0.9	1409.00	8.7
	TOTAL	43	2.2	23864.70	11.3	2	0.1	14.52	0.4	45	1.1	23879.22	11.1
WHITE SUCKER	1981	1	0.8	25.00	0.1	0	0.0	0.00	0.0	1	0.6	25.00	0.1
	1982	1	1.6	490.00	1.6	0	0.0	0.00	0.0	1	1.4	490.00	1.6
	TOTAL	2	1.1	515.00	0.9	0	0.0	0.00	0.0	2	0.8	515.00	0.9
NORTHERN WOODSUCKER	1981	2	1.6	555.00	1.9	0	0.0	0.00	0.0	2	1.1	555.00	1.9
	1985	1	0.5	310.00	2.3	0	0.0	0.00	0.0	1	0.1	310.00	2.2
	1986	2	1.0	432.00	1.8	0	0.0	0.00	0.0	2	0.8	432.00	1.8
	1988	2	0.8	327.98	2.5	1	0.5	9.25	1.2	3	0.7	337.23	2.4
	1989	1	0.3	128.00	0.8	0	0.0	0.00	0.0	1	0.3	128.00	0.8
TOTAL	8	0.7	1752.98	1.9	1	0.1	9.25	0.5	9	0.5	1762.23	1.9	

APPENDIX D-2 (CONT.) TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1R OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	SNOW	WT(G)	SWT	NO.	SNOW	WT(G)	SWT	NO.	SNOW	WT(G)	SWT
SILVER REDHORSE	1977	3	1.8	927.00	7.9	0	0.0	0.00	0.0	3	0.3	927.00	7.9
	1978	6	4.1	4123.00	28.0	2	3.1	1.14	0.7	8	3.8	4124.14	27.7
	1979	5	7.1	2845.00	14.2	1	0.6	1.96	1.4	6	2.6	2846.96	14.1
	1981	13	10.5	6218.00	21.7	0	0.0	0.00	0.0	13	7.2	6218.00	21.6
	1982	2	3.6	1525.00	5.0	0	0.0	0.00	0.0	2	2.7	1525.00	5.0
	1983	3	5.0	1116.00	13.2	0	0.0	0.00	0.0	3	1.7	1116.00	12.9
	1984	9	4.5	1851.00	10.6	0	0.0	0.00	0.0	9	3.5	1851.00	10.8
	1985	1	0.5	425.00	3.2	0	0.0	0.00	0.0	1	0.1	425.00	3.0
	1986	8	4.1	3761.00	16.0	0	0.0	0.00	0.0	8	3.0	3761.00	15.7
	1988	3	1.2	13.02	0.1	0	0.0	0.00	0.0	3	0.7	13.02	0.1
	1989	9	3.0	292.00	1.8	0	0.0	0.00	0.0	9	2.7	292.00	1.8
	TOTAL	62	3.5	23096.02	11.7	3	0.1	3.10	0.1	65	1.7	23099.12	11.5
RIVER REDHORSE	1977	5	3.0	312.00	2.7	0	0.0	0.00	0.0	5	0.5	312.00	2.5
	1978	2	1.4	564.00	4.0	0	0.0	0.00	0.0	2	0.9	564.00	3.9
	1979	4	5.7	1362.00	6.8	0	0.0	0.00	0.0	4	1.8	1362.00	7.8
	1981	1	0.6	215.00	0.6	0	0.0	0.00	0.0	1	0.6	215.00	0.7
	1982	1	1.8	1120.00	1.6	0	0.0	0.00	0.0	1	1.4	1120.00	3.6
	1983	1	1.7	480.00	3.7	0	0.0	0.00	0.0	1	0.6	480.00	5.6
	1984	2	1.0	1480.00	8.7	0	0.0	0.00	0.0	2	0.8	1480.00	8.7
	1986	6	3.1	85.33	0.4	0	0.0	0.00	0.0	6	2.3	85.33	0.4
	1989	2	0.7	695.00	4.3	0	0.0	0.00	0.0	2	0.8	695.00	4.3
	TOTAL	24	1.6	6333.33	3.7	0	0.0	0.00	0.0	24	0.9	6333.33	3.7
BLACK REDHORSE	1985	1	0.5	2.35	0.0	0	0.0	0.00	0.0	1	0.1	2.35	0.0
	1986	1	0.5	38.02	0.2	0	0.0	0.00	0.0	1	0.4	38.02	0.2
	TOTAL	2	0.5	40.37	0.1	0	0.0	0.00	0.0	2	0.2	40.37	0.1
GOLDEN REDHORSE	1977	13	7.8	4143.00	35.5	0	0.0	0.00	0.0	13	1.3	4143.00	33.5
	1978	11	7.5	4344.00	29.5	0	0.0	0.00	0.0	11	5.2	4344.00	29.8
	1979	15	21.4	5027.00	25.1	0	0.0	0.00	0.0	15	6.8	5027.00	27.4
	1981	23	18.5	7912.00	27.6	0	0.0	0.00	0.0	23	14.7	7912.00	27.4
	1982	5	8.9	1212.00	3.9	0	0.0	0.00	0.0	5	6.8	1212.00	3.9
	1983	3	5.0	1055.00	12.5	0	0.0	0.00	0.0	3	1.7	1055.00	12.2
	1984	39	18.5	7846.00	65.0	0	0.0	0.00	0.0	39	15.3	7846.00	65.0
	1985	25	11.6	2905.69	21.7	95	12.7	125.54	22.8	120	17.2	3211.23	21.7
	1986	48	24.7	10135.46	43.1	1	1.4	18.02	4.8	49	18.4	10153.48	42.5
	1987	16	9.2	3931.00	29.8	0	0.0	0.00	0.0	16	5.0	3931.00	29.2
	1988	11	4.4	3137.60	23.8	0	0.0	0.00	0.0	11	2.5	3137.60	12.5
	1989	37	12.4	4937.00	30.9	0	0.0	0.00	0.0	37	11.2	4937.00	30.6
	TOTAL	246	12.6	56587.75	26.9	96	4.4	143.56	4.0	342	8.2	56731.31	26.9
SHORTHEAD REDHORSE	1977	4	2.4	754.26	6.5	0	0.0	0.00	0.0	4	0.4	754.26	6.1
	1978	2	1.4	76.00	0.5	0	0.0	0.00	0.0	2	0.9	76.00	0.5
	1979	1	1.4	600.00	3.0	0	0.0	0.00	0.0	1	0.4	600.00	3.0
	1981	5	4.0	1457.00	5.1	0	0.0	0.00	0.0	5	2.8	1457.00	5.1
	1982	1	1.8	485.00	1.6	0	0.0	0.00	0.0	1	1.4	485.00	1.6
	1984	1	0.5	43.00	0.3	0	0.0	0.00	0.0	1	0.4	43.00	0.3
	1985	5	2.3	123.05	0.9	10	2.1	20.36	3.7	15	2.2	143.41	1.0
	1986	10	5.2	1572.17	6.7	0	0.0	0.00	0.0	10	3.8	1572.17	6.6
	1988	8	3.2	252.31	1.9	0	0.0	0.00	0.0	8	1.8	252.31	1.8
	1989	3	1.0	1144.00	7.2	0	0.0	0.00	0.0	3	0.9	1144.00	7.1
	TOTAL	40	2.3	6506.79	3.4	10	0.5	20.36	0.7	50	1.4	6527.15	3.4
UNIDENTIFIED REDHORSE	1977	1	0.6	1.77	0.0	2	0.2	1.94	0.3	3	0.3	3.71	0.0
	1978	5	3.4	6.59	0.0	0	0.0	0.00	0.0	5	2.4	6.59	0.0
	1981	0	0.0	0.00	0.0	2	1.5	0.57	0.4	2	1.1	0.57	0.0
	1983	0	0.0	0.00	0.0	1	0.9	0.76	0.4	1	0.6	0.76	0.0
	TOTAL	6	1.2	8.36	0.0	5	0.5	3.27	0.3	11	0.7	11.63	0.0
YELLOW BULLHEAD	1989	2	0.7	128.00	0.8	0	0.0	0.00	0.0	2	0.6	128.00	0.8
	TOTAL	2	0.7	128.00	0.8	0	0.0	0.00	0.0	2	0.6	128.00	0.8
CHANNEL CATFISH	1977	1	0.6	625.00	5.4	0	0.0	0.00	0.0	1	0.1	625.00	5.0
	1978	1	0.7	25.00	0.2	0	0.0	0.00	0.0	1	0.5	25.00	0.2
	1987	2	1.2	1530.00	11.6	0	0.0	0.00	0.0	2	0.6	1530.00	11.4
	TOTAL	4	0.8	2180.00	5.5	0	0.0	0.00	0.0	4	0.3	2180.00	5.4
STONECAT	1978	1	0.7	70.00	0.5	0	0.0	0.00	0.0	1	0.5	70.00	0.5
	1979	1	1.4	44.00	0.2	0	0.0	0.00	0.0	1	0.4	44.00	0.2
	1984	1	0.5	20.00	0.1	0	0.0	0.00	0.0	1	0.4	20.00	0.1
	1985	1	0.5	0.70	0.0	0	0.0	0.00	0.0	1	0.1	0.70	0.0
	TOTAL	4	0.6	134.70	0.2	0	0.0	0.00	0.0	4	0.3	134.70	0.2
BLACKSTRIPE TOPMINNOW	1977	0	0.0	0.00	0.0	1	0.1	0.41	0.1	1	0.1	0.41	0.0
	1983	1	1.7	1.31	0.0	1	0.9	1.92	1.1	2	1.1	3.23	0.0
	1986	2	1.0	4.53	0.0	0	0.0	0.00	0.0	2	0.8	4.53	0.0
	1987	1	0.6	2.60	0.0	0	0.0	0.00	0.0	1	0.3	2.60	0.0
	1988	0	0.0	0.00	0.0	1	0.5	0.22	0.0	1	0.2	0.22	0.0
	TOTAL	4	0.5	8.44	0.0	3	0.2	2.55	0.1	7	0.1	10.99	0.0
BROOK SILVERSIDE	1988	1	0.4	1.11	0.0	26	14.2	24.77	3.3	27	6.2	25.88	0.2
	1989	1	0.3	1.95	0.0	1	3.0	0.06	0.0	2	0.6	2.01	0.0
	TOTAL	2	0.4	3.06	0.0	27	12.5	24.83	2.7	29	3.8	27.89	0.1
ROCK BASS	1977	15	9.0	940.25	8.1	7	0.9	22.42	3.2	22	2.2	962.67	7.8
	1978	3	2.1	254.00	1.7	0	0.0	0.00	0.0	3	1.4	254.00	1.7
	1979	8	11.4	802.00	4.0	2	1.3	0.45	0.3	10	4.4	802.45	4.0
	1981	11	8.9	980.00	3.4	7	12.3	2.65	1.8	18	9.9	982.65	3.4
	1982	3	3.4	122.00	0.5	0	0.0	0.00	0.0	3	4.1	122.00	0.4
	1983	5	8.3	416.00	4.9	0	0.0	0.00	0.0	5	2.9	416.00	4.8
	1984	10	9.0	549.00	3.2	0	0.0	0.00	0.0	10	3.9	549.00	3.2
	1985	71	33.0	2573.69	19.9	1	0.2	14.50	2.8	72	10.2	2588.19	19.2
	1986	13	6.7	750.00	1.2	18	25.0	196.80	51.9	31	11.7	946.80	4.0
	1987	14	8.1	675.00	5.1	0	0.0	0.00	0.0	14	4.4	675.00	5.0
	1988	7	2.8	683.00	5.2	25	13.7	95.83	12.8	32	7.4	778.83	5.6
	1989	27	9.1	476.48	3.0	1	3.0	13.65	8.0	28	8.5	490.13	3.0
	TOTAL	187	9.6	9321.42	4.4	61	2.8	346.30	9.7	248	6.0	9667.72	4.5
GREEN SUNFISH	1977	3	1.8	27.43	6.2	0	0.0	0.00	0.0	3	0.3	27.43	0.2
	1978	1	3.0	3.00	0.0	0	0.0	0.00	0.0	1	0.5	3.00	0.0
	1981	2	1.6	4.00	0.0	1	1.8	3.70	2.5	3	1.7	7.70	0.0
	1982	1	1.8	20.00	0.1	0	0.0	0.00	0.0	1	1.4	20.00	0.1
	1983	5	8.3	56.49	0.7	0	0.0	0.00	0.0				

APPENDIX D-2 (CONT.), TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1A OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	
ORANGESPOTTED SUNFISH	1977	1	0.6	8.66	0.1	0	0.0	0.00	0.0	1	0.1	8.66	0.1
	1981	5	4.0	29.85	0.1	4	7.0	5.72	3.8	9	5.0	35.57	0.1
	1982	1	0.4	8.00	0.1	1	0.5	8.85	0.9	2	0.5	14.85	0.1
	TOTAL	7	1.3	46.51	0.1	5	0.5	12.57	0.8	12	0.7	59.08	0.1
BLUFGILL	1977	0	0.0	0.00	0.0	4	0.5	0.94	0.1	4	0.4	0.94	0.0
	1978	1	0.7	10.00	0.1	0	0.0	0.00	0.0	1	0.5	10.00	0.1
	1982	1	1.8	10.00	0.0	0	0.0	0.00	0.0	1	1.4	10.00	0.0
	1983	2	3.3	44.00	0.5	0	0.0	0.00	0.0	2	1.1	44.00	0.5
	1984	1	0.5	18.00	0.1	0	0.0	0.00	0.0	1	0.4	18.00	0.1
	1986	1	0.5	6.00	0.0	0	0.0	0.00	0.0	1	0.4	6.00	0.0
	1987	10	5.6	154.05	1.2	1	0.7	0.10	0.0	11	3.5	154.15	1.1
	1989	8	2.7	67.00	0.4	0	0.0	0.00	0.0	8	2.4	67.00	0.4
	TOTAL	29	1.9	311.05	0.2	5	0.4	1.04	0.1	29	1.1	312.09	0.2
NORTHERN LONGEAR SUNFISH	1977	21	12.6	389.30	3.3	0	0.0	0.00	0.0	21	2.1	389.30	3.1
	TOTAL	21	12.6	389.30	3.3	0	0.0	0.00	0.0	21	2.1	389.30	3.1
LONGEAR SUNFISH	1977	2	1.2	39.26	0.3	5	0.6	2.32	0.3	7	0.7	41.58	0.3
	1978	9	6.2	193.00	1.3	0	0.0	0.00	0.0	9	4.3	193.00	1.3
	1979	11	15.7	291.00	1.5	1	0.6	6.44	4.6	12	5.3	297.44	1.5
	1981	16	12.9	660.00	2.3	7	12.3	96.17	63.7	23	12.7	756.17	2.6
	1982	6	10.7	131.00	0.4	1	5.9	20.00	31.4	7	9.6	151.00	0.5
	1983	6	10.0	106.53	1.3	0	0.0	0.00	0.0	6	3.4	106.53	1.2
	1984	63	31.5	664.33	3.9	0	0.0	0.00	0.0	63	24.7	664.33	3.9
	1985	28	13.0	331.75	2.5	1	0.2	9.83	1.8	29	4.2	341.58	2.4
	1986	37	19.1	517.94	2.2	9	12.5	70.95	18.7	46	17.3	588.89	2.5
	1987	61	35.3	709.43	5.4	6	4.1	102.53	36.5	67	21.1	811.96	6.0
	1988	20	8.0	341.75	2.6	28	15.3	211.05	31.0	48	11.7	552.80	4.1
	1989	103	34.6	1374.90	8.6	10	30.3	74.65	63.7	113	34.1	1449.55	9.0
	TOTAL	362	18.5	5360.89	2.5	68	3.1	613.94	17.3	430	10.3	5974.83	2.8
UNIDENTIFIED SUNFISH	1981	0	0.0	0.00	0.0	3	5.3	0.52	0.3	3	1.7	0.52	0.0
	TOTAL	0	0.0	0.00	0.0	3	5.3	0.52	0.3	3	1.7	0.52	0.0
SMALLMOUTH BASS	1977	14	8.4	1381.96	11.8	1	0.1	5.48	0.8	15	1.5	1387.44	11.2
	1978	2	1.4	272.00	1.8	0	0.0	0.00	0.0	2	0.9	272.00	1.8
	1979	9	12.9	3102.00	15.5	0	0.0	0.00	0.0	9	4.0	3102.00	15.4
	1981	16	12.9	1824.00	8.4	0	0.0	0.00	0.0	16	7.8	1824.00	8.3
	1982	4	7.1	1506.27	4.9	0	0.0	0.00	0.0	4	5.5	1506.27	4.9
	1983	7	11.7	1174.27	13.9	4	2.0	0.00	0.0	7	4.0	1174.27	13.6
	1984	21	10.5	1067.00	6.3	1	1.6	0.46	1.0	22	6.6	1067.46	6.2
	1985	31	14.4	2808.04	20.9	11	2.3	40.59	7.4	42	6.0	2848.63	20.4
	1986	11	5.7	988.00	4.2	1	1.4	14.28	3.8	12	4.5	1002.28	4.2
	1987	9	5.2	1188.90	8.0	1	0.7	56.59	20.2	10	3.1	1245.49	9.3
	1988	49	19.6	1363.60	10.5	45	24.6	253.87	34.0	94	21.7	1617.47	11.6
	1989	53	17.8	1800.84	11.3	1	3.0	7.53	4.4	54	16.3	1808.37	11.2
	TOTAL	226	11.6	18496.88	8.8	61	2.8	378.80	10.7	287	6.9	18875.68	8.8
LARGEMOUTH BASS	1977	5	3.0	98.39	0.8	1	0.1	8.00	1.1	6	0.6	104.39	0.8
	1978	1	0.7	6.00	0.0	0	0.0	0.00	0.0	1	0.5	6.00	0.0
	1979	1	1.4	5.00	0.0	0	0.0	0.00	0.0	1	0.4	5.00	0.0
	1981	2	1.6	343.00	1.2	0	0.0	0.00	0.0	2	1.1	343.00	1.2
	1982	3	5.0	90.00	1.1	0	0.0	0.00	0.0	3	1.7	90.00	1.0
	1983	2	1.0	11.41	0.1	0	0.0	0.00	0.0	3	0.9	11.41	0.1
	TOTAL	15	1.7	551.80	0.6	1	0.1	8.00	0.5	16	0.8	559.80	0.6
WHITE CRAPPIE	1977	0	0.0	0.00	0.0	1	0.1	1.76	0.2	1	0.1	1.76	0.0
	1979	3	4.3	203.00	1.0	0	0.0	0.00	0.0	3	1.3	203.00	1.0
	1981	4	3.2	241.00	0.8	1	1.8	14.00	9.3	5	2.8	255.00	0.9
	1983	1	1.7	29.00	0.3	1	0.9	72.00	39.7	2	1.1	101.00	1.2
	TOTAL	8	1.9	473.00	0.7	3	0.3	87.76	7.4	11	0.7	560.76	0.8
BLACK CRAPPIE	1977	0	0.0	0.00	0.0	5	0.6	19.04	2.7	5	0.5	19.04	0.2
	1981	0	0.0	0.00	0.0	2	3.5	1.44	1.0	2	1.1	1.44	0.0
	1989	1	0.3	68.00	0.4	0	0.0	0.00	0.0	1	0.3	68.00	0.4
	TOTAL	1	0.2	68.00	0.1	7	0.8	20.48	2.0	8	0.5	88.48	0.2
JOHNNY DARTER	1977	1	0.6	0.93	0.0	4	0.5	1.88	0.3	5	0.5	2.81	0.0
	1978	0	0.0	0.00	0.0	9	13.8	3.90	2.5	9	4.3	3.90	0.0
	1979	0	0.0	0.00	0.0	2	1.3	0.48	0.3	2	0.9	0.48	0.0
	1984	0	0.0	0.00	0.0	9	16.4	2.73	6.1	9	3.5	2.73	0.0
	1985	0	0.0	0.00	0.0	6	1.2	5.16	0.9	6	0.9	5.16	0.0
	1986	0	0.0	0.00	0.0	4	5.6	1.98	0.5	4	1.5	1.98	0.0
	1987	0	0.0	0.00	0.0	9	6.2	3.97	1.8	9	2.8	3.97	0.0
	1989	1	0.3	2.09	0.0	1	3.0	0.95	0.6	2	0.6	3.04	0.0
	TOTAL	2	0.1	3.02	0.0	44	2.4	21.05	0.9	46	1.4	24.07	0.0
BANDED DARTER	1971	0	0.0	0.00	0.0	1	0.1	0.13	0.0	1	0.1	0.13	0.0
	1988	0	0.0	0.00	0.0	1	0.5	0.44	0.1	1	0.2	0.44	0.0
	TOTAL	0	0.0	0.00	0.0	2	0.2	0.57	0.0	2	0.1	0.57	0.0
YELLOW PERCH	1977	1	0.6	6.46	0.1	1	0.1	7.53	1.1	2	0.2	13.99	0.1
	TOTAL	1	0.6	6.46	0.1	1	0.1	7.53	1.1	2	0.2	13.99	0.1
LOG PERCH	1987	0	0.0	0.00	0.0	1	0.7	1.46	0.5	1	0.3	1.46	0.0
	1988	16	4.4	52.45	0.4	2	1.1	3.92	0.5	18	4.2	56.37	0.4
	1989	1	0.3	4.36	0.0	1	3.0	5.73	3.4	2	0.6	12.09	0.1
	TOTAL	17	2.4	56.81	0.1	4	1.1	11.11	0.9	21	1.9	69.92	0.2
BLACKSIDED DARTER	1985	1	0.5	1.40	0.0	2	0.4	2.75	0.5	3	0.4	4.17	0.0
	1987	1	0.6	1.23	0.0	1	0.7	1.29	0.5	2	0.6	2.52	0.0
	1989	1	0.3	3.52	0.0	0	0.0	0.00	0.0	1	0.3	3.52	0.0
	TOTAL	3	0.4	6.17	0.0	3	0.5	4.04	0.4	6	0.4	10.21	0.0
SLENDERHEAD DARTER	1977	0	0.0	0.00	0.0	1	0.1	0.68	0.1	1	0.1	0.68	0.0
	1985	0	0.0	0.00	0.0	4	0.8	3.34	0.6	4	0.6	3.34	0.0
	1986	0	0.0	0.00	0.0	3	4.2	3.22	0.8	3	1.1	3.22	0.0
	1988	2	0.8	2.36	0.0	1	0.5	0.41	0.1	3	0.7	2.77	0.0
	1989	1	0.3	2.31	0.0	0	0.0	0.00	0.0	1	0.3	2.31	0.0
	TOTAL	3	0.3	4.67	0.0	9	0.6	7.65	0.3	12	0.4	12.32	0.0
WALLEYE	1977	5	3.0	230.00	2.0	0	0.0	0.00	0.0	5	0.5	230.00	1.9
	1979	2	2.9	794.00	4.0	0	0.0	0.00	0.0	2	0.9	794.00	3.9
	1981	1	0.8	323.00	1.1	0	0.0	0.00	0.0	1	0.6	323.00	1.1
	1982	1	1.8	5.47	0.0	0	0.0	0.00	0.0	1	1.0	5.47	0.0
	1988	1	0.4	45.00	0.3	0	0.0	0.00	0.0	1	0.2	45.00	0.3
	TOTAL	10	1.5	1397.47	1.3	0	0.0	0.00	0.0	10	0.5	1397.47	1.3

APPENDIX D-3. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	SHD.	WT(G)	SWT	NO.	SHD.	WT(G)	SWT	NO.	SHD.	WT(G)	SWT
LONGNOSE GAR	1981	1	0.2	0.67	0.0	0	0.0	0.00	0.0	1	0.1	0.67	0.0
	1985	4	0.7	135.00	0.6	0	0.0	0.00	0.0	4	0.3	135.00	0.6
	1987	4	0.6	88.00	0.2	0	0.0	0.00	0.0	4	0.3	88.00	0.2
	1988	7	1.1	157.00	2.0	0	0.0	0.00	0.0	7	0.9	157.00	1.0
	TOTAL	16	0.7	380.67	0.3	0	0.0	0.00	0.0	16	0.4	380.67	0.3
GIZZARD SHAD	1977	295	47.9	3509.43	7.9	57	4.2	96.19	12.1	352	17.8	3605.62	7.9
	1978	21	9.2	166.00	1.6	0	0.0	0.00	0.0	21	6.6	166.00	1.6
	1981	86	20.0	8682.05	15.9	0	0.0	0.00	0.0	86	9.8	8682.05	15.9
	1982	14	10.2	1777.48	4.9	0	0.0	0.00	0.0	14	9.7	1777.48	4.9
	1986	7	1.3	966.81	3.1	7	0.0	0.00	0.0	7	1.3	966.81	3.1
	1987	30	7.1	8119.00	29.8	0	0.0	0.00	0.0	30	4.2	8119.00	29.8
	1988	90	14.4	1091.49	14.1	0	0.0	0.00	0.0	90	11.6	1091.49	14.1
	1989	16	4.5	2643.00	6.9	0	0.0	0.00	0.0	16	4.1	2643.00	6.9
	TOTAL	541	15.8	26957.26	10.8	57	2.1	96.19	3.2	638	10.1	27053.45	10.8
CENTRAL MUDMINNOW	1982	1	0.7	4.44	0.0	0	0.0	0.00	0.0	1	0.7	4.44	0.0
	TOTAL	1	0.7	4.44	0.0	0	0.0	0.00	0.0	1	0.7	4.44	0.0
GRASS PICKEREL	1977	6	1.0	112.00	0.3	2	0.1	40.00	5.0	8	5.4	152.00	0.3
	1978	8	3.3	238.00	2.3	1	1.3	2.61	4.3	9	2.9	240.61	2.3
	1979	3	1.3	238.00	0.8	0	0.0	0.00	0.0	3	0.2	238.00	0.8
	1981	4	0.9	85.00	0.2	0	0.0	0.00	0.0	4	0.4	85.00	0.2
	1983	2	0.7	133.00	0.7	0	0.0	0.00	0.0	2	0.5	133.00	0.7
	1984	4	0.9	80.00	0.3	0	0.0	0.00	0.0	4	0.7	80.00	0.3
	1987	3	0.6	44.55	0.2	0	0.0	0.00	0.0	3	0.2	44.55	0.2
	1988	1	0.2	15.00	0.2	0	0.0	0.00	0.0	1	0.1	15.00	0.2
	1989	1	0.1	6.39	0.0	0	0.0	0.00	0.0	1	0.2	6.39	0.0
	TOTAL	32	0.8	291.91	0.4	3	0.1	42.61	1.1	35	0.4	294.52	0.4
NORTHERN PIKE	1977	3	0.5	1080.00	2.4	0	0.0	0.00	0.0	3	0.2	1080.00	2.4
	1978	3	1.3	1402.00	4.9	0	0.0	0.00	0.0	3	0.2	1402.00	4.9
	1981	4	0.9	2507.00	4.6	1	0.2	50.00	10.8	5	0.8	2557.00	4.9
	1982	4	2.9	2480.00	6.8	0	0.0	0.00	0.0	4	2.8	2480.00	6.8
	1983	1	0.4	481.00	2.4	0	0.0	0.00	0.0	1	0.3	481.00	2.4
	1984	6	1.4	773.00	4.7	0	0.0	0.00	0.0	6	1.1	773.00	4.7
	1985	1	0.2	610.00	2.6	0	0.0	0.00	0.0	1	0.1	610.00	2.6
	1986	4	0.7	480.00	1.5	0	0.0	0.00	0.0	4	0.7	480.00	1.5
	1987	7	1.0	5170.00	19.0	0	0.0	0.00	0.0	7	0.6	5170.00	19.0
	TOTAL	33	0.8	14983.00	5.3	1	0.0	160.00	4.0	34	0.4	15143.00	5.3
CENTRAL STONEWORM	1970	0	0.0	0.00	0.0	2	0.2	1.20	0.1	2	0.1	1.20	0.0
	TOTAL	0	0.0	0.00	0.0	2	0.2	1.20	0.1	2	0.1	1.20	0.0
CARP	1977	26	4.2	8574.18	19.2	1	0.1	9.01	1.1	27	1.4	8583.19	19.2
	1978	4	1.8	2415.00	23.1	0	0.0	0.00	0.0	4	1.3	2415.00	23.1
	1979	1	0.8	1720.00	8.0	0	0.0	0.00	0.0	1	0.1	1720.00	8.0
	1981	5	1.2	4624.00	2.3	0	0.0	0.00	0.0	5	0.6	4624.00	2.3
	1982	5	3.6	8087.00	16.7	0	0.0	0.00	0.0	5	3.4	8087.00	16.7
	1984	3	0.7	1535.00	9.3	0	0.0	0.00	0.0	3	0.5	1535.00	9.3
	1985	3	0.5	7439.00	32.1	0	0.0	0.00	0.0	3	0.2	7439.00	32.1
	1986	4	0.7	9672.00	31.1	0	0.0	0.00	0.0	4	0.7	9672.00	31.1
	1987	1	0.1	2198.00	8.1	0	0.0	0.00	0.0	1	0.1	2198.00	8.1
	1988	58	9.3	2755.25	35.5	0	0.0	0.00	0.0	58	7.6	2755.25	35.5
	1989	7	1.6	7585.00	19.8	0	0.0	0.00	0.0	7	1.6	7585.00	19.8
	TOTAL	117	2.4	54675.43	17.1	1	0.0	9.01	0.2	118	1.2	54684.44	17.1
SILVERJAW MINNOW	1978	4	1.8	3.21	0.0	11	13.8	5.60	9.3	15	4.9	8.81	0.1
	1979	0	0.0	0.00	0.0	33	2.8	20.45	2.0	33	2.4	20.45	2.0
	1982	1	0.7	1.44	0.0	0	0.0	0.00	0.0	1	0.7	1.44	0.0
	1984	1	0.2	1.63	0.0	0	0.0	0.00	0.0	1	0.2	1.63	0.0
	1987	0	0.0	0.00	0.0	7	0.9	1.85	0.3	7	0.5	1.85	0.3
	1988	0	0.0	0.00	0.0	3	0.6	0.66	0.1	3	0.2	0.66	0.1
	1989	0	0.0	0.00	0.0	3	8.1	0.51	1.7	3	0.7	0.51	1.7
	TOTAL	6	0.2	6.28	0.0	59	2.1	29.12	1.2	65	1.4	35.40	0.0
HORNYHEAD CHUB	1977	1	0.2	15.28	0.0	3	0.2	1.06	0.1	4	0.2	16.34	0.0
	1984	0	0.0	0.00	0.0	2	1.4	0.16	0.2	2	0.4	0.16	0.2
	1985	6	1.0	49.49	0.2	0	0.0	0.00	0.0	6	0.4	49.49	0.2
	TOTAL	7	0.3	64.77	0.1	6	0.2	1.53	0.1	13	0.3	66.30	0.1
GOLDEN SHINER	1977	0	0.0	0.00	0.0	2	0.1	0.87	0.1	2	0.1	0.87	0.0
	TOTAL	0	0.0	0.00	0.0	2	0.1	0.87	0.1	2	0.1	0.87	0.0
EMERALD SHINER	1977	5	0.8	18.50	0.0	0	0.0	0.00	0.0	5	0.3	18.50	0.0
	1979	1	0.4	14.00	0.0	0	0.0	0.00	0.0	1	0.1	14.00	0.0
	1987	0	0.0	0.00	0.0	1	0.2	0.01	0.0	1	0.1	0.01	0.0
	TOTAL	6	0.5	32.50	0.0	2	0.1	0.10	0.0	8	0.2	32.50	0.0
STRIPED SHINER	1977	0	0.0	0.00	0.0	40	2.9	16.63	2.1	40	2.0	16.63	0.0
	1978	0	0.0	0.00	0.0	6	7.5	2.42	4.0	6	1.9	2.42	4.0
	1979	0	0.0	0.00	0.0	3	0.2	0.97	0.1	3	0.2	0.97	0.1
	1982	0	0.0	0.00	0.0	2	25.0	1.92	26.4	2	1.4	1.92	0.0
	1983	1	0.4	0.47	0.0	1	1.1	0.64	0.9	2	0.5	1.11	0.0
	1984	1	0.2	4.97	0.0	6	4.3	1.41	1.9	7	1.2	6.18	0.0
	1985	16	2.7	62.46	0.3	28	3.6	19.73	3.0	44	3.2	82.21	0.3
	1986	1	0.2	5.40	0.0	14	29.8	1.92	0.6	15	2.6	1.92	0.0
	1987	5	0.7	22.02	0.1	4	0.8	1.37	0.3	9	0.7	23.39	0.1
	1988	32	5.1	58.00	0.7	0	0.0	0.00	0.0	32	4.2	58.00	0.7
	TOTAL	57	1.2	156.05	0.1	105	2.4	47.31	1.1	162	1.8	203.36	0.1
BIGMOUTH SHINER	1977	0	0.0	0.00	0.0	1	0.0	0.06	0.0	1	0.0	0.06	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.0	0.06	0.0	1	0.0	0.06	0.0
RED SHINER	1985	0	0.0	0.00	0.0	2	0.3	3.22	0.5	2	0.1	3.22	0.0
	TOTAL	0	0.0	0.00	0.0	2	0.3	3.22	0.5	2	0.1	3.22	0.0
ROSYFACE SHINER	1977	1	0.2	3.66	0.0	41	3.0	15.69	2.0	42	2.1	19.35	0.0
	1978	0	0.0	0.00	0.0	1	1.3	1.93	3.2	1	0.3	1.93	0.0
	1979	1	0.4	2.05	0.0	1	0.1	0.86	0.1	2	0.1	2.91	0.0
	1982	0	0.0	0.00	0.0	1	12.5	1.45	20.0	1	0.7	1.45	0.0
	1985	0	0.0	0.00	0.0	16	0.8	1.28	0.2	6	0.4	1.28	0.0
	1986	1	0.2	0.56	0.0	0	0.0	0.00	0.0	1	0.2	0.56	0.0
	1988	89	14.2	82.88	1.1	0	0.0	0.00	0.0	89	11.6	82.88	1.0
	1989	6	1.5	8.37	0.0	12	32.4	8.51	21.2	18	4.1	16.88	0.0
	TOTAL	98	2.9	97.92	0.0	62	1.7	27.72	0.6	160	2.3	125.24	0.1

APPENDIX D-3 (CONT.), TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES		ELECTROFISHING				SE. (ING)				TOTAL				
		NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
SPOTFIN SHINER	1977	14	2.3	51.62	0.1	308	22.7	162.48	20.5	322	16.3	214.10	0.5	
	1978	1	0.4	1.25	0.0	13	16.3	11.47	19.0	14	4.5	12.72	0.1	
	1979	8	3.4	25.20	0.1	157	12.6	121.50	11.9	165	11.1	146.70	0.5	
	1981	18	4.2	53.61	0.1	150	32.2	124.77	23.8	168	16.8	178.39	0.3	
	1982	3	2.2	10.20	0.0	0	0.0	0.00	0.0	3	2.1	10.20	0.0	
	1983	12	4.3	16.65	0.1	67	73.6	55.15	73.4	79	21.5	71.80	0.4	
	1984	6	1.4	10.99	0.1	41	29.7	28.56	37.5	47	8.4	39.57	0.2	
	1985	38	6.5	104.30	0.4	148	16.9	193.47	29.1	186	13.5	297.77	1.2	
	1986	5	0.9	4.77	0.0	5	10.6	3.91	1.2	10	1.7	8.68	0.0	
	1987	105	15.0	113.26	0.4	130	25.8	93.69	17.2	235	19.5	206.95	0.7	
	1988	24	3.8	52.49	0.7	1	0.7	0.89	0.1	25	3.3	53.38	0.6	
	1989	6	1.5	9.78	0.0	4	10.6	6.57	21.3	10	2.3	16.35	0.0	
	TOTAL	240	4.6	494.11	0.1	1022	20.9	802.48	16.7	1262	12.5	1256.59	0.4	
SAND SHINER	1977	0	0.0	0.00	0.0	75	5.5	41.47	5.2	75	3.8	41.47	0.1	
	1978	3	1.3	3.72	0.0	23	28.8	13.82	22.9	26	8.4	17.54	0.2	
	1979	0	0.0	0.00	0.0	264	21.2	166.81	16.4	264	17.8	166.81	0.6	
	1981	2	0.5	1.79	0.0	123	25.4	74.15	14.2	125	14.0	75.94	0.1	
	1982	2	1.5	6.29	0.0	0	0.0	0.00	0.0	2	1.4	6.29	0.0	
	1983	24	8.7	30.87	0.2	0	0.0	0.00	0.0	24	6.5	30.87	0.2	
	1984	4	0.9	4.17	0.0	18	13.0	7.41	9.7	22	3.9	11.58	0.1	
	1985	24	4.1	34.08	0.1	162	21.0	101.77	15.3	186	13.7	135.85	0.5	
	1986	48	9.0	48.93	0.2	4	8.5	4.05	1.2	52	9.0	52.98	0.2	
	1987	38	5.4	26.13	0.1	39	7.7	21.99	4.0	77	6.4	48.12	0.2	
	1988	22	3.5	27.52	0.4	0	0.0	0.00	0.0	22	2.9	27.52	0.3	
	1989	4	1.0	5.57	0.0	6	16.2	6.64	21.6	10	2.3	12.21	0.0	
	TOTAL	171	3.3	189.67	0.1	714	14.6	436.11	9.1	885	8.6	627.18	0.2	
REDFIN SHINER	1977	0	0.0	0.00	0.0	28	2.0	5.89	0.7	28	1.4	5.89	0.0	
	1979	0	0.0	0.00	0.0	3	0.2	1.85	0.2	3	0.2	1.85	0.0	
	1981	0	0.0	0.00	0.0	33	7.1	20.39	3.9	33	3.7	20.39	0.0	
	1982	0	0.0	0.00	0.0	2	25.0	2.14	29.5	2	1.4	2.14	0.0	
	1984	1	0.2	1.11	0.0	0	0.0	0.00	0.0	1	0.2	1.11	0.0	
	1985	1	0.2	0.66	0.0	1	0.1	1.01	0.2	2	0.1	1.67	0.0	
	1986	5	0.9	4.62	0.0	5	10.6	3.60	1.1	10	1.7	8.22	0.0	
	1987	6	0.9	3.67	0.0	5	1.0	3.00	0.6	11	0.9	6.67	0.0	
	1988	22	3.5	21.11	0.3	63	46.0	65.88	9.7	85	11.1	86.99	1.0	
	1989	3	0.8	3.31	0.0	0	0.0	0.00	0.0	3	0.7	3.31	0.0	
	TOTAL	38	0.8	34.68	0.0	140	3.0	103.76	2.2	178	1.9	138.44	0.0	
	MIMIC SHINER	1977	0	0.0	0.00	0.0	6	0.4	5.22	0.7	6	0.3	5.22	0.0
		1981	0	0.0	0.00	0.0	17	3.6	8.54	1.6	17	1.9	8.54	0.0
1984		3	0.7	3.24	0.0	0	0.0	0.00	0.0	3	0.5	3.24	0.0	
1985		1	0.2	0.80	0.0	5	0.6	6.12	0.9	6	0.4	6.92	0.0	
1986		4	0.7	4.73	0.0	0	0.0	0.00	0.0	4	0.7	4.73	0.0	
1987		52	7.4	39.61	0.1	49	9.7	37.14	6.8	101	8.4	76.75	0.3	
1988		11	1.8	13.94	0.2	0	0.0	0.00	0.0	11	1.4	13.94	0.2	
1989		2	0.5	2.99	0.0	0	0.0	0.00	0.0	2	0.5	2.99	0.0	
TOTAL		73	1.7	65.31	0.0	77	2.2	57.02	1.6	150	1.9	122.33	0.0	
SUCKERMOUTH MINNOW	1979	0	0.0	0.00	0.0	51	4.1	23.39	2.3	51	3.4	23.39	0.1	
	1983	2	0.7	1.45	0.0	0	0.0	0.00	0.0	2	0.5	1.45	0.0	
	1985	6	1.0	16.28	0.1	8	1.0	8.68	1.3	14	1.0	24.96	0.1	
	1986	3	0.6	2.14	0.0	0	0.0	0.00	0.0	3	0.5	2.14	0.0	
	1987	1	0.1	0.44	0.0	1	0.2	0.25	0.0	2	0.2	0.69	0.0	
	TOTAL	12	0.5	20.31	0.0	60	2.3	32.32	1.2	72	1.4	52.63	0.0	
BLUNTNOSE MINNOW	1977	8	1.3	17.05	0.0	226	16.6	103.70	13.1	234	11.8	120.75	0.3	
	1978	15	6.6	30.27	0.3	15	18.8	16.41	27.2	30	9.7	46.68	0.4	
	1979	5	2.1	12.75	0.0	643	51.5	622.35	61.0	648	41.7	635.10	2.1	
	1981	6	1.4	6.94	0.0	138	29.6	122.11	23.3	144	16.1	129.05	0.2	
	1982	3	2.2	5.93	0.0	1	12.5	1.14	15.7	4	2.8	7.07	0.0	
	1983	19	6.9	28.19	0.2	7	7.7	9.37	12.5	26	7.1	37.56	0.2	
	1984	37	8.7	58.19	0.4	56	42.0	25.48	33.5	93	16.9	83.67	0.5	
	1985	95	16.2	198.93	0.9	182	23.4	155.28	23.3	277	20.4	354.21	1.5	
	1986	177	33.1	276.50	0.9	5	10.6	1.45	0.4	182	31.3	277.95	0.9	
	1987	141	20.1	166.68	0.6	139	27.6	98.19	18.0	280	23.3	264.87	1.0	
	1988	33	5.3	77.53	1.0	0	0.0	0.00	0.0	33	4.3	77.53	0.9	
	1989	24	6.0	32.21	0.1	1	18.9	3.52	11.4	25	7.1	35.73	0.1	
	TOTAL	563	10.8	911.17	0.3	1421	29.1	1159.00	24.1	1984	19.7	2070.17	0.6	
PATHEAD MINNOW	1977	0	0.0	0.00	0.0	1	0.0	0.50	0.1	1	0.0	0.50	0.0	
	TOTAL	0	0.0	0.00	0.0	1	0.0	0.50	0.1	1	0.0	0.50	0.0	
BULLHEAD MINNOW	1977	18	2.9	46.96	0.1	56	4.1	33.61	4.2	74	3.7	80.57	0.2	
	1985	5	0.9	17.27	0.1	5	0.6	4.06	0.6	10	0.7	21.33	0.1	
	1987	0	0.0	0.00	0.0	10	2.0	1.00	0.2	10	0.8	1.00	0.0	
	TOTAL	23	1.2	64.23	0.1	71	2.7	38.67	1.9	94	2.1	102.90	0.1	
CREEK CHUB	1978	2	0.9	2.97	0.0	1	1.3	1.67	3.1	3	1.0	4.64	0.0	
	1979	0	0.0	0.00	0.0	11	0.5	4.96	0.5	11	0.7	4.96	0.0	
	1985	2	0.3	2.78	0.0	55	7.1	47.63	7.2	57	4.2	50.41	0.2	
	1987	1	0.1	1.05	0.0	0	0.0	0.00	0.0	1	0.1	1.05	0.0	
	TOTAL	5	0.3	6.80	0.0	67	2.6	54.46	2.4	72	1.7	61.26	0.1	
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	420	30.9	22.83	2.9	420	21.3	22.83	0.1	
	1979	0	0.0	0.00	0.0	2	0.2	0.03	0.0	2	0.1	0.03	0.0	
	1984	0	0.0	0.00	0.0	4	2.9	0.32	0.4	4	0.7	0.32	0.0	
	TOTAL	0	0.0	0.00	0.0	426	15.5	23.18	1.2	426	10.6	23.18	0.0	
QUILLBACK	1977	14	2.3	5290.14	11.9	1	0.0	2.01	0.4	15	0.7	5293.05	11.7	
	1978	2	0.9	1390.00	13.3	0	0.0	0.00	0.0	2	0.6	1390.00	13.2	
	1979	4	1.7	1079.00	3.8	0	0.0	0.00	0.0	4	0.3	1079.00	3.6	
	1981	12	2.8	3782.00	6.9	0	0.0	0.00	0.0	12	1.3	3782.00	6.9	
	1982	11	8.0	4430.00	12.1	0	0.0	0.00	0.0	11	7.6	4430.00	12.1	
	1983	2	0.7	1183.00	6.4	0	0.0	0.00	0.0	2	0.5	1183.00	6.4	
	1984	8	1.9	3114.00	18.9	0	0.0	0.00	0.0	8	1.4	3114.00	18.8	
	1985	3	0.5	633.00	2.7	4	0.5	3.95	0.6	7	0.5	638.95	2.7	
	1986	12	2.2	7862.00	25.3	0	0.0	0.00	0.0	12	2.1	7862.00	25.0	
	1987	2	0.3	695.00	2.6	0	0.0	0.00	0.0	2	0.2	695.00	2.5	
	1988	2	0.3	10.48	0.1	0	0.0	0.00	0.0	2	0.3	10.48	0.1	
	1989	1	0.3	640.00	1.7	0	0.0	0.00	0.0	1	0.2	640.00	1.7	
	TOTAL	73	1.4	30110.62	8.9	5	0.1	6.86	0.1	78	0.8	30117.48	8.8	
WHITE SUCKER	1977	14	2.3	3354.00	7.5	1	0.0	55.00	6.9	15	0.7	3409.00	7.5	
	1978	1	0.4	365.00	3.3	0	0.0	0.00	0.0	1	0.3	365.00	3.3	
	1979	8	3.4	2616.00	9.1	1	0.1	2.40	0.0	9	0.6	2618.40	8.6	
	1982	5	3.6	2475.00	6.8	0	0.0	0.00	0.0	5	3.4	2475.00	6.8	
	1983	13	4.7	5123.00	27.6	0	0.0	0.00	0.0	13	5.4	5123.00	27.3	
	1984	2	0.5	885.00	5.4	0	0.0	0.00	0.0	2	0.4	885.00	5.4	
	1985	8												

APPENDIX D-3 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	SNOW.	WT (G)	SWT	NO.	SNOW.	WT (G)	SWT	NO.	SNOW.	WT (G)	SWT
LAKE CHUBSUCKER	1977	0	0.0	0.00	0.0	1	0.0	0.10	0.0	1	0.0	0.10	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.0	0.10	0.0	1	0.0	0.10	0.0
NORTHERN HOGSUCKER	1978	2	0.9	310.56	3.0	0	0.0	0.00	0.0	2	0.6	310.56	2.9
	1979	2	0.9	880.00	3.1	3	0.2	4.25	0.4	5	0.3	884.25	3.0
	1982	3	2.2	333.94	0.9	0	0.0	0.00	0.0	3	2.1	333.94	0.9
	1983	10	3.6	2495.64	13.5	0	0.0	0.00	0.0	10	2.7	2495.64	13.5
	1985	14	2.4	3005.40	13.0	7	0.9	17.23	2.6	21	1.5	3022.63	12.7
	1986	2	0.4	805.00	2.6	0	0.0	0.00	0.0	2	0.3	805.00	2.6
	1987	3	0.4	1515.00	5.6	0	0.0	0.00	0.0	3	0.2	1515.00	5.5
	1988	2	0.3	975.50	12.6	0	0.0	0.00	0.0	2	0.3	975.50	11.6
	1989	15	3.6	6330.00	16.5	0	0.0	0.00	0.0	15	3.4	6330.00	16.5
	TOTAL	53	1.4	16651.04	7.5	10	0.3	21.48	0.6	63	0.9	15672.52	7.4
SMALLMOUTH BUFFALO	1988	3	0.5	22.39	0.3	0	0.0	0.00	0.0	3	0.4	22.39	0.3
	TOTAL	3	0.5	22.39	0.3	0	0.0	0.00	0.0	3	0.4	22.39	0.3
SPOTTED SUCKER	1985	2	0.3	1.33	0.0	1	0.1	0.62	0.1	3	0.2	1.95	0.0
	TOTAL	2	0.3	92.00	0.2	0	0.0	0.00	0.0	2	0.5	92.00	0.2
SILVER REDHORSE	1977	1	0.2	7.20	0.0	1	0.0	6.84	0.9	2	0.1	14.04	0.0
	1978	1	0.4	1110.00	10.6	0	0.0	0.00	0.0	1	0.3	1110.00	10.5
	1981	4	0.9	463.00	0.9	0	0.0	0.00	0.0	4	0.4	463.00	0.9
	1982	7	5.1	7065.00	19.3	0	0.0	0.00	0.0	7	4.6	7065.00	19.3
	1987	1	0.4	80.00	0.4	0	0.0	0.00	0.0	1	0.3	80.00	0.4
	1985	2	1.4	19.62	0.1	2	0.3	4.11	0.6	10	0.7	23.73	0.1
	1988	1	0.2	2.26	0.0	0	0.0	0.00	0.0	1	0.1	2.26	0.0
	1989	1	0.3	66.00	0.2	0	0.0	0.00	0.0	1	0.2	66.00	0.2
	TOTAL	24	0.7	8633.06	3.6	3	0.1	10.95	0.4	27	0.4	8844.03	3.7
RIVER REDHORSE	1977	4	0.6	285.00	0.6	0	0.0	0.00	0.0	4	0.2	285.00	0.6
	1979	1	0.3	80.00	0.1	0	0.0	0.00	0.0	1	0.1	80.00	0.1
	1982	1	0.7	700.00	1.9	0	0.0	0.00	0.0	1	0.7	700.00	1.9
	TOTAL	6	0.7	11.17	0.0	0	0.0	0.00	0.0	6	0.3	11.17	0.0
BLACK REDHORSE	1979	10	4.3	862.00	3.0	0	0.0	0.00	0.0	10	0.7	862.00	2.9
	1981	6	1.4	1340.00	2.5	0	0.0	0.00	0.0	6	0.7	1340.00	2.4
	1982	3	2.2	755.00	2.1	0	0.0	0.00	0.0	3	2.1	755.00	2.1
	1985	1	0.2	1.47	0.0	0	0.0	0.00	0.0	1	0.1	1.47	0.0
	1988	2	0.5	307.00	0.8	0	0.0	0.00	0.0	2	0.5	307.00	0.8
	TOTAL	22	1.2	3265.47	1.8	0	0.0	0.00	0.0	22	0.5	3265.47	1.8
GOLDEN REDHORSE	1977	30	4.9	2727.00	6.1	1	0.0	32.50	4.1	31	1.5	2759.50	6.1
	1978	2	0.9	272.00	2.6	0	0.0	0.00	0.0	2	0.4	272.00	2.6
	1979	32	13.6	2841.00	9.9	0	0.0	0.00	0.0	32	2.2	2841.00	9.6
	1981	96	22.3	11602.00	21.3	0	0.0	0.00	0.0	96	10.7	11602.00	21.1
	1982	12	8.8	5265.00	14.4	0	0.0	0.00	0.0	12	8.3	5265.00	14.4
	1983	5	1.8	2476.00	13.4	0	0.0	0.00	0.0	5	1.4	2476.00	13.4
	1984	9	2.1	828.00	3.0	0	0.0	0.00	0.0	9	1.6	828.00	3.0
	1985	2	4.6	256.02	1.0	24	3.1	14.81	2.5	51	3.6	252.83	1.1
	1986	16	3.0	4054.24	13.0	0	0.0	0.00	0.0	16	2.6	4054.24	12.9
	1987	7	1.0	1289.99	4.7	1	0.2	0.94	0.2	8	0.7	1290.93	4.7
	1988	0	0.0	0.00	0.0	2	0.5	6.83	1.0	2	0.3	6.83	0.1
	1989	30	7.5	12110.00	31.5	0	0.0	0.00	0.0	30	6.9	12110.00	31.5
	TOTAL	266	5.1	43701.25	13.0	28	0.6	57.08	1.2	294	2.9	43758.33	12.8
SHORTHEAD REDHORSE	1977	14	2.3	1162.82	2.6	0	0.0	0.00	0.0	14	0.7	1162.82	2.6
	1978	4	1.5	332.56	3.2	0	0.0	0.00	0.0	4	1.3	332.56	3.2
	1979	20	8.5	4683.00	17.0	0	0.0	0.00	0.0	20	1.3	4683.00	16.0
	1981	5	1.2	1536.00	2.8	0	0.0	0.00	0.0	5	0.6	1536.00	2.8
	1982	1	0.7	340.00	0.9	0	0.0	0.00	0.0	1	0.7	340.00	0.9
	1985	14	2.4	27.92	0.1	0	0.0	0.00	0.0	14	1.0	27.92	0.1
	1986	1	0.2	635.00	2.0	0	0.0	0.00	0.0	1	0.2	635.00	2.0
	TOTAL	62	1.6	9749.49	3.3	0	0.0	0.00	0.0	62	0.7	9749.49	3.3
UNIDENTIFIED REDHORSE	1977	14	2.6	46.92	0.1	9	0.6	20.07	2.5	25	1.2	66.99	0.1
	1978	1	0.4	1.30	0.0	0	0.0	0.00	0.0	1	0.3	1.30	0.0
	1979	0	0.0	0.00	0.0	68	5.4	49.39	4.0	68	4.6	49.39	0.2
	1983	4	1.4	3.61	0.0	11	12.1	9.81	12.0	15	4.1	12.62	0.1
	1984	0	0.0	0.00	0.0	1	0.7	0.58	0.8	1	0.2	0.58	0.0
	TOTAL	21	1.2	51.83	0.0	89	3.0	75.05	3.9	110	2.3	130.88	0.1
YELLOW BULLHEAD	1982	1	0.7	60.00	0.2	0	0.0	0.00	0.0	1	0.7	60.00	0.2
	TOTAL	2	0.2	117.00	0.2	0	0.0	0.00	0.0	2	0.1	117.00	0.2
CHANNEL CATFISH	1977	1	0.2	1970.00	4.4	0	0.0	0.00	0.0	1	0.1	1970.00	4.3
	1979	1	0.4	810.00	2.8	0	0.0	0.00	0.0	1	0.1	810.00	2.7
	1984	1	0.2	1060.00	6.4	0	0.0	0.00	0.0	1	0.2	1060.00	6.4
	TOTAL	3	0.2	2840.00	4.3	0	0.0	0.00	0.0	3	0.1	2840.00	4.2
STONECAT	1983	1	0.4	50.00	0.3	0	0.0	0.00	0.0	1	0.3	50.00	0.3
	1984	2	0.3	61.00	0.5	0	0.0	0.00	0.0	2	0.4	61.00	0.5
	1985	2	0.3	23.53	0.1	0	0.0	0.00	0.0	2	0.1	23.53	0.1
	TOTAL	5	0.4	205.53	0.2	0	0.0	0.00	0.0	5	0.7	205.53	0.2
PIRATE PERCH	1978	1	0.4	2.28	0.0	0	0.0	0.00	0.0	1	0.3	2.28	0.0
	TOTAL	1	0.4	2.28	0.0	0	0.0	0.00	0.0	1	0.3	2.28	0.0
BLACKSTRIPED TOPMINNOW	1977	0	0.0	0.00	0.0	3	0.2	0.94	0.1	3	0.2	0.94	0.0
	1978	0	0.0	0.00	0.0	2	2.5	1.55	2.6	2	0.6	1.55	0.0
	1979	0	0.0	0.00	0.0	1	0.1	0.15	0.0	1	0.1	0.15	0.0
	1981	0	0.0	0.00	0.0	2	0.4	2.33	0.4	2	0.2	2.33	0.0
	1983	0	0.0	0.00	0.0	2	2.2	0.27	0.4	2	0.5	0.27	0.0
	1985	0	0.0	0.00	0.0	3	0.4	0.58	0.1	3	0.2	0.58	0.0
	1988	0	0.0	0.00	0.0	1	0.7	0.27	0.0	1	0.1	0.27	0.0
	TOTAL	0	0.0	0.00	0.0	14	0.3	6.09	0.2	14	0.2	6.09	0.0
BROOK SILVERSIDE	1977	1	0.2	0.74	0.0	8	0.6	2.76	0.3	9	0.4	3.50	0.0
	1979	1	0.4	2.28	0.0	0	0.0	0.00	0.0	1	0.1	2.28	0.0
	1984	0	0.0	0.00	0.0	1	0.7	0.21	0.3	1	0.2	0.21	0.0
	1987	1	0.1	1.13	0.0	0	0.0	0.00	0.0	1	0.1	1.13	0.0
	1988	10	1.6	10.38	0.1	3	2.2	1.90	0.3	13	1.7	12.28	0.1
	1989	6	1.5	14.79	0.0	1	2.7	0.08	0.1	7	1.6	14.87	0.0
	TOTAL	19	0.6	29.32	0.0	13	0.4	4.95	0.2	32	0.5	34.27	0.0

APPENDIX D-3 (CONT.), TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES	ELECTROFISHING						SEINING						TOTAL		
	NO.	NO.	WT (G)	WT	NO.	NO.	WT (G)	WT	NO.	NO.	WT (G)	WT	NO.	NO.	WT (G)
ROCK BASS	1977	23	3.7	1552.00	3.5	1	0.0	55.70	6.9	24	1.2	1607.00	3.5		
	1978	26	11.4	1011.00	0.7	0	0.0	0.00	0.0	26	8.4	1011.00	9.6		
	1979	37	15.7	3439.00	12.0	0	0.0	0.00	0.0	37	2.5	3439.00	11.6		
	1981	8	1.9	871.00	1.8	0	0.0	0.00	0.0	8	0.9	871.00	1.6		
	1982	7	5.1	504.00	1.4	0	0.0	0.00	0.0	7	4.8	504.00	1.4		
	1983	29	10.5	2692.03	14.6	0	0.0	0.00	0.0	29	7.9	2692.03	14.5		
	1984	31	7.3	1664.42	10.1	0	0.0	0.00	0.0	31	5.5	1664.42	10.0		
	1985	88	15.0	3926.02	16.9	0	0.0	0.00	0.0	88	6.5	3926.02	16.5		
	1986	33	6.2	1314.00	4.2	0	0.0	0.00	0.0	33	5.7	1314.00	4.2		
	1987	31	4.4	1613.02	5.9	0	0.0	0.00	0.0	31	2.6	1613.02	5.8		
	1988	3	0.5	301.00	3.9	2	1.5	205.00	30.2	5	0.7	506.00	6.0		
	1989	23	5.8	1995.76	5.2	0	0.0	0.00	0.0	23	5.3	1995.76	5.2		
	TOTAL	339	6.5	20683.33	6.2	3	0.1	260.00	5.4	342	3.4	21143.25	6.2		
GREEN SUNFISH	1977	27	8.4	496.69	1.1	3	0.2	0.40	0.1	30	1.5	497.09	1.1		
	1978	32	14.0	801.00	7.7	0	0.0	0.00	0.0	32	10.4	801.00	7.6		
	1979	19	6.1	442.00	1.3	0	0.0	0.00	0.0	19	1.3	442.00	1.3		
	1981	25	5.8	686.15	1.3	0	0.0	0.00	0.0	25	2.8	686.15	1.2		
	1982	29	21.2	431.87	1.2	0	0.0	0.00	0.0	29	20.0	431.87	1.2		
	1983	58	11.0	1002.67	5.4	0	0.0	0.00	0.0	58	15.6	1002.67	5.4		
	1984	144	34.0	2990.18	18.1	0	0.0	0.00	0.0	144	25.7	2990.18	18.0		
	1985	102	17.4	2746.65	11.8	0	0.0	0.00	0.0	102	7.5	2746.65	11.5		
	1986	61	11.4	1523.61	4.9	1	2.1	0.03	0.0	62	10.7	1523.64	4.9		
	1987	71	10.1	933.60	3.4	7	1.4	86.49	15.9	78	6.5	1020.09	3.7		
	1988	4	6.7	778.05	10.0	2	1.5	48.64	7.2	44	5.8	826.65	9.8		
	1989	7	7.5	390.49	1.0	0	0.0	0.00	0.0	30	6.9	390.49	1.0		
	TOTAL	640	12.3	13222.96	3.9	13	0.3	135.56	2.8	653	6.5	13358.52	3.9		
ORANGESPOTTED SUNFISH	1977	1	0.2	7.00	0.0	16	1.1	3.00	0.4	17	0.8	10.00	0.6		
	1978	1	0.4	3.88	0.0	0	0.0	0.00	0.0	1	0.3	3.88	0.0		
	1982	0	0.0	0.00	0.0	1	12.5	0.17	2.3	1	0.7	0.17	0.0		
	1984	2	0.5	35.03	0.2	0	0.0	0.00	0.0	2	0.4	35.03	0.2		
	1985	5	0.9	56.52	0.3	0	0.0	0.00	0.0	5	0.4	56.52	0.2		
	1986	9	1.7	91.50	0.3	0	0.0	0.00	0.0	9	1.5	91.50	0.3		
	TOTAL	18	0.7	195.93	0.1	17	0.7	3.17	0.2	35	0.7	199.10	0.1		
BLUEGILL	1977	0	0.0	0.00	0.0	11	0.8	2.73	0.3	11	0.5	2.73	0.6		
	1978	5	2.2	35.00	0.3	0	0.0	0.00	0.0	5	1.6	35.00	0.3		
	1979	2	0.9	31.00	0.1	0	0.0	0.00	0.0	2	0.1	31.00	0.1		
	1981	16	3.7	779.46	1.4	0	0.0	0.00	0.0	16	1.8	779.46	1.4		
	1982	1	0.7	16.00	0.0	0	0.0	0.00	0.0	1	0.7	16.00	0.0		
	1983	12	4.3	145.23	0.8	0	0.0	0.00	0.0	12	3.3	145.23	0.8		
	1984	27	6.4	573.82	3.3	1	0.7	10.90	14.3	28	5.0	584.72	3.5		
	1985	2	0.3	128.00	0.6	0	0.0	0.00	0.0	2	0.1	128.00	0.5		
	1986	10	1.9	211.68	0.7	1	2.1	25.00	25.6	11	1.9	236.68	0.9		
	1987	27	3.9	220.27	0.8	11	2.2	10.60	1.9	38	3.2	230.87	0.8		
	1988	6	1.5	169.03	0.4	0	0.0	0.00	0.0	6	1.8	169.03	0.4		
	1989	6	1.5	169.03	0.4	0	0.0	0.00	0.0	6	1.8	169.03	0.4		
	TOTAL	108	2.4	2109.49	0.7	24	0.5	109.23	2.6	132	1.4	2418.72	0.7		
CENTRAL LONGEAR SUNFISH	1977	1	0.2	51.00	0.1	0	0.0	0.00	0.0	1	0.1	51.00	0.1		
	TOTAL	1	0.2	51.00	0.1	0	0.0	0.00	0.0	1	0.1	51.00	0.1		
NORTHERN LONGEAR SUNFISH	1977	20	3.2	205.43	0.5	1	0.0	8.34	1.1	21	1.0	213.77	0.5		
	TOTAL	20	3.2	205.43	0.5	1	0.0	8.34	1.1	21	1.0	213.77	0.5		
LONGEAR SUNFISH	1977	1	0.2	9.10	0.0	9	0.7	5.28	0.7	10	0.5	14.38	0.0		
	1978	30	13.2	348.19	3.3	0	0.0	0.00	0.0	30	9.7	348.19	3.3		
	1979	18	6.8	286.69	1.0	0	0.0	0.00	0.0	18	1.1	286.69	1.0		
	1981	32	7.4	947.98	1.7	0	0.0	0.00	0.0	32	3.6	947.98	1.7		
	1982	3	2.2	47.00	0.1	0	0.0	0.00	0.0	3	2.1	47.00	0.1		
	1983	14	5.1	233.65	1.3	0	0.0	0.00	0.0	14	3.8	233.65	1.3		
	1984	76	18.0	614.05	3.7	0	0.0	0.00	0.0	76	13.5	614.05	3.7		
	1985	51	8.7	512.87	2.2	0	0.0	0.00	0.0	51	3.8	512.87	2.1		
	1986	100	18.7	1493.47	4.8	9	19.1	229.00	69.4	109	18.6	1722.47	4.5		
	1987	90	12.9	914.54	3.4	31	6.2	132.72	24.4	121	10.0	1047.26	3.8		
	1988	94	15.0	720.11	9.3	10	7.3	104.06	15.4	104	13.6	824.17	9.6		
	1989	167	42.0	3122.69	6.1	1	2.7	6.27	20.4	168	38.6	3128.96	6.1		
	TOTAL	674	13.0	9251.34	2.7	60	1.2	471.53	9.9	734	7.3	9726.67	2.8		
GREEN SUNFISH X BLUEGILL	1982	2	1.5	19.00	0.1	0	0.0	0.00	0.0	2	1.4	19.00	0.1		
	1986	1	0.2	5.21	0.0	0	0.0	0.00	0.0	1	0.2	5.21	0.0		
	TOTAL	3	0.2	24.21	0.1	0	0.0	0.00	0.0	3	0.3	24.21	0.1		
ORANGESPOTTED X LONGEAR SUNFISH	1977	1	0.2	7.39	0.0	0	0.0	0.00	0.0	1	0.1	7.39	0.0		
	TOTAL	1	0.2	7.39	0.0	0	0.0	0.00	0.0	1	0.1	7.39	0.0		
GREEN X LONGEAR SUNFISH	1989	1	0.3	40.00	0.1	0	0.0	0.00	0.0	1	0.2	40.00	0.1		
	TOTAL	1	0.3	40.00	0.1	0	0.0	0.00	0.0	1	0.2	40.00	0.1		
GREEN SUNFISH HYBRID	1981	1	0.2	5.00	0.0	0	0.0	0.00	0.0	1	0.1	5.00	0.0		
	TOTAL	1	0.2	5.00	0.0	0	0.0	0.00	0.0	1	0.1	5.00	0.0		
UNIDENTIFIED SUNFISH	1977	0	0.0	0.00	0.0	15	1.1	1.11	0.1	15	0.8	1.11	0.0		
	1982	1	0.4	20.00	0.1	0	0.0	0.00	0.0	1	0.3	20.00	0.1		
	1984	0	0.0	0.00	0.0	1	0.7	0.05	0.1	1	0.2	0.05	0.0		
	TOTAL	1	0.1	20.00	0.2	16	1.0	1.16	0.1	17	0.6	21.16	0.0		
SMALLMOUTH BASS	1977	61	5.9	13661.42	31.1	1	0.0	2.88	0.4	62	3.1	13664.30	30.6		
	1978	49	21.5	1490.14	14.2	0	0.0	0.00	0.0	49	15.9	1490.14	14.2		
	1979	56	23.8	6684.00	23.3	0	0.0	0.00	0.0	56	3.8	6684.00	22.5		
	1981	40	16.0	11552.00	21.0	1	0.2	9.88	1.9	41	6.8	11561.88	20.8		
	1982	15	10.9	3681.00	10.1	0	0.0	0.00	0.0	15	10.3	3681.00	10.1		
	1983	49	17.6	1940.93	10.5	0	0.0	0.00	0.0	49	13.4	1940.93	10.5		
	1984	44	10.4	1751.71	10.6	0	0.0	0.00	0.0	44	7.8	1751.71	10.6		
	1985	38	6.5	1022.03	4.4	7	0.9	24.90	3.7	45	3.3	1046.93	4.4		
	1986	26	4.9	1228.50	4.0	0	0.0	0.00	0.0	26	4.5	1228.50	3.9		
	1987	29	4.1	2765.38	10.2	0	0.0	0.00	0.0	29	2.4	2765.38	10.0		
	1988	59	9.4	521.01	6.7	40	29.2	157.23	23.2	99	13.0	678.24	6.0		
	1989	32	8.0	1867.28	4.9	0	0.0	0.00	0.0	32	7.4	1867.28	4.9		
	TOTAL	518	10.0	48265.40	14.3	49	1.0	194.87	4.1	567	5.6	48460.27	14.2		
LARGEMOUTH BASS	1977	6	1.0	51.33	0.1	1	0.0	10.00	1.3	7	0.3	61.33	0.1		</

APPENDIX D-3 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88, AND JULY/AUGUST 1989.

SPECIES	ELECTROFISHING				SEINING				TOTAL		
	NO.	NO.	WT (G)	WT	NO.	NO.	WT (G)	WT	NO.	NO.	WT (G)
WHITE CRAPPIE	1977	0	0.0	0.00	0.0	2	0.1	0.96	0.1	2	0.96
	1981	6	1.4	424.00	0.8	0	0.0	0.00	0.0	6	424.00
	1984	5	1.2	271.00	1.6	0	0.0	0.00	0.0	5	271.00
	TOTAL	11	0.7	695.00	0.8	2	0.1	0.96	0.1	13	695.96
BLACK CRAPPIE	1977	1	0.2	3.68	0.0	13	0.9	74.32	3.1	14	77.99
	1978	1	0.4	31.00	0.2	0	0.0	0.00	0.0	1	31.00
	1979	3	1.3	313.00	0.2	0	0.0	0.00	0.0	3	313.00
	1981	1	0.2	150.00	0.3	0	0.0	0.00	0.0	1	150.00
	1987	3	0.4	197.00	0.7	0	0.0	0.00	0.0	3	197.00
	TOTAL	9	0.4	724.62	0.4	13	0.3	74.32	0.8	22	798.94
JOHNNY DARTER	1977	0	0.0	0.00	0.0	5	0.4	3.69	0.5	5	3.69
	1978	1	0.4	0.56	0.0	7	8.8	2.62	4.3	8	3.18
	1979	0	0.0	0.00	0.0	3	0.2	1.04	0.1	3	1.04
	1982	0	0.0	0.00	0.0	1	12.3	0.44	8.1	1	0.44
	1983	0	0.0	0.00	0.0	3	3.3	0.65	0.9	3	0.65
	1984	0	0.0	0.00	0.0	5	3.6	1.03	1.4	5	1.03
	1985	1	0.2	0.48	0.0	163	14.0	40.58	6.2	164	41.46
	1986	0	0.0	0.00	0.0	3	6.4	1.70	0.3	3	1.70
	1987	1	0.1	0.59	0.0	59	11.7	27.68	4.2	60	28.27
	1988	6	1.0	2.91	0.0	9	5.6	4.87	0.7	15	7.78
	1989	1	0.3	0.93	0.0	1	2.7	0.29	0.9	2	1.22
	TOTAL	10	0.2	9.47	0.0	204	4.6	79.29	1.9	214	84.76
YELLOW PERCH	1977	1	0.2	5.00	0.0	0	0.0	0.00	0.0	1	5.00
	1983	1	0.4	37.00	0.2	0	0.0	0.00	0.0	1	37.00
	1988	3	0.5	19.52	0.3	0	0.0	0.00	0.0	3	19.52
	TOTAL	5	0.3	61.52	0.1	0	0.0	0.00	0.0	5	61.52
LOG PERCH	1987	0	0.0	0.00	0.0	1	0.2	1.54	0.3	1	1.54
	TOTAL	0	0.0	0.00	0.0	1	0.2	1.54	0.3	1	1.54
BLACKSIDE DARTER	1983	3	1.1	1.83	0.0	0	0.0	0.00	0.0	3	1.83
	1984	1	0.2	0.54	0.0	0	0.0	0.00	0.0	1	0.54
	1985	0	0.0	0.00	0.0	4	0.5	4.52	0.7	4	4.52
	1987	2	0.3	2.25	0.0	6	1.2	6.13	1.1	8	8.38
	1988	9	1.4	13.63	0.2	3	2.2	6.43	0.9	12	20.06
	1989	1	0.3	2.85	0.0	0	0.0	0.00	0.0	1	2.85
	TOTAL	16	0.5	21.20	0.0	13	0.8	17.08	0.8	29	38.28
WALLEYE	1977	1	0.2	45.00	0.1	0	0.0	0.00	0.0	1	45.00
	1981	3	0.7	1023.00	1.9	0	0.0	0.00	0.0	3	1023.00
	1983	1	0.4	145.00	0.8	0	0.0	0.00	0.0	1	145.00
	TOTAL	5	0.4	117.61	0.4	0	0.0	0.00	0.0	5	117.61

APPENDIX D-4. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88, AND JULY/AUGUST 1989.

SPECIES	ELECTROFISHING				SEINING				TOTAL		
	NO.	NO.	WT (G)	WT	NO.	NO.	WT (G)	WT	NO.	NO.	WT (G)
LONGNOSE GAR	1978	0	0.0	0.00	0.0	1	0.8	9.04	9.5	1	9.04
	1981	0	0.0	0.00	0.0	1	1.4	1.42	2.0	1	1.42
	TOTAL	0	0.0	0.00	0.0	2	1.0	10.46	6.3	2	10.46
GIZZARD SHAD	1977	2	1.3	22.73	0.1	5	0.8	6.46	0.9	7	29.16
	1978	17	9.6	135.61	1.5	0	0.0	0.00	0.0	17	135.61
	1981	1	1.0	30.00	0.1	0	0.0	0.00	0.0	1	30.00
	1987	4	2.5	1097.00	9.1	0	0.0	0.00	0.0	4	1097.00
	TOTAL	26	3.1	1637.31	2.2	5	0.5	6.46	0.3	31	1643.77
GRASS PICKEREL	1977	1	0.4	7.00	0.0	1	0.2	35.00	4.4	2	42.00
	1978	3	1.7	90.00	1.0	0	0.0	0.00	0.0	3	90.00
	1979	1	1.2	23.00	0.3	0	0.0	0.00	0.0	1	23.00
	1981	4	3.8	80.00	0.4	2	6.7	15.81	33.5	6	99.81
	1985	2	1.5	123.00	1.0	0	0.0	0.00	0.0	2	123.00
	1986	2	0.9	22.00	0.2	1	1.1	14.02	2.5	3	36.02
	1987	1	0.6	66.00	0.5	0	0.0	0.00	0.0	1	66.00
	1988	0	0.0	0.00	0.0	2	1.9	28.34	3.2	2	28.34
	1989	2	0.8	137.94	1.0	0	0.0	0.00	0.0	2	137.94
	TOTAL	16	1.0	548.94	0.4	6	0.4	97.17	2.9	22	646.11
NORTHERN PIKE	1977	1	0.8	283.00	1.6	0	0.0	0.00	0.0	1	283.00
	1978	0	0.0	0.00	0.0	1	0.8	25.00	26.2	1	25.00
	1979	5	5.8	1280.30	17.8	0	0.0	0.00	0.0	5	1280.30
	1982	0	0.0	0.00	0.0	1	2.1	325.00	92.1	1	325.00
	TOTAL	6	1.4	1563.00	3.7	2	0.2	360.00	23.2	8	1923.00
CENTRAL STONEWALLER	1977	1	0.4	1.39	0.0	0	0.0	0.00	0.0	1	1.39
	TOTAL	1	0.4	1.39	0.0	0	0.0	0.00	0.0	1	1.39
CARP	1977	2	1.3	1547.50	9.0	1	0.2	1.49	0.2	3	1548.99
	1981	3	2.9	4260.00	18.8	0	0.0	0.00	0.0	3	4260.00
	1982	2	5.4	3433.00	43.3	0	0.0	0.00	0.0	2	3433.00
	1983	2	4.4	3560.00	26.8	0	0.0	0.00	0.0	2	3560.00
	1988	2	0.8	125.00	0.5	0	0.0	0.00	0.0	2	125.00
	1989	1	0.4	885.00	6.4	0	0.0	0.00	0.0	1	885.00
	TOTAL	12	1.4	13810.50	14.1	1	0.1	1.49	0.1	13	13811.99
HORNYHEAD CHUB	1977	0	0.0	0.00	0.0	1	0.2	0.22	0.0	1	0.22
	1979	1	1.2	5.17	0.1	0	0.0	0.00	0.0	1	5.17
	1989	1	0.4	12.62	0.1	0	0.0	0.00	0.0	1	12.62
	TOTAL	2	0.4	17.79	0.0	1	0.1	0.22	0.0	3	18.01
EMERALD SHINER	1977	0	0.0	0.00	0.0	4	0.6	2.29	0.3	4	2.29
	1984	1	1.4	1.27	0.0	0	0.0	0.00	0.0	1	1.27
	1985	0	0.0	0.00	0.0	11	4.9	1.41	1.0	11	1.41
	1986	0	0.0	0.00	0.0	1	1.1	0.32	0.1	1	0.32
	1989	0	0.0	0.00	0.0	1	1.4	0.14	0.0	1	0.14
	TOTAL	1	0.1	1.27	0.0	17	1.6	4.16	0.2	18	5.43

APPENDIX D-6 (CONT.) TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 31 OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES	ELECTROFISHING				SEIKING				TOTAL			
	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT
STRIPED SHINER	1977	0 0.0	3.00	0.0	28 4.5	15.04	2.0	28 3.8	15.04	0.1		
	1978	0 0.0	0.00	0.0	71 55.0	26.13	27.4	71 23.1	26.13	0.3		
	1982	0 0.0	0.00	0.0	16 34.0	7.78	2.1	16 19.0	7.78	0.1		
	1983	0 0.0	0.00	0.0	1 25.0	0.20	3.3	1 2.0	0.20	0.0		
	1984	0 0.0	0.00	0.0	9 13.0	2.09	2.9	9 6.3	2.09	0.0		
	1985	0 0.0	0.00	0.0	5 2.2	2.18	1.5	5 1.4	2.18	0.0		
	1986	1 0.4	12.00	0.1	1 1.1	1.65	0.3	2 0.4	13.65	0.1		
	1987	1 0.6	10.86	0.1	0 0.0	0.00	0.0	1 0.4	10.86	0.1		
	1988	1 0.4	0.43	0.0	2 1.9	8.42	1.0	3 0.8	8.85	0.0		
	1989	8 3.2	50.66	0.4	3 4.1	10.44	2.8	11 3.4	61.10	0.4		
	TOTAL	11 0.7	73.95	0.1	136 9.5	73.93	2.2	147 5.0	147.88	0.1		
RED SHINER	1986	0 0.0	0.00	0.0	1 1.1	0.88	0.2	1 0.3	0.88	0.0		
	TOTAL	0 0.0	0.00	0.0	1 1.1	0.88	0.2	1 0.3	0.88	0.0		
ROSYFACE SHINER	1977	2 1.3	2.15	0.0	190 30.7	74.84	10.2	192 25.9	76.99	0.4		
	1978	0 0.0	0.00	0.0	1 0.8	0.13	0.3	1 0.3	0.13	0.0		
	1979	0 0.0	0.00	0.0	30 40.5	11.65	3.3	30 18.8	11.65	0.2		
	1981	0 0.0	0.00	0.0	1 3.3	1.43	2.4	1 0.7	1.43	0.0		
	1982	0 0.0	0.00	0.0	23 48.9	7.09	1.2	23 27.4	7.09	0.1		
	1984	0 0.0	0.00	0.0	5 7.2	0.85	1.2	5 3.5	0.85	0.0		
	1985	0 0.0	0.00	0.0	49 21.7	8.30	5.7	49 13.8	8.30	0.1		
	1986	0 0.0	0.00	0.0	4 4.4	0.98	0.2	4 1.2	0.98	0.0		
	1987	5 3.1	5.62	0.0	0 0.0	0.00	0.0	5 2.1	5.62	0.0		
	1988	2 0.8	1.73	0.0	0 0.0	0.00	0.0	2 0.6	1.73	0.0		
	TOTAL	9 0.6	9.50	0.0	303 20.8	105.47	3.0	312 11.0	114.97	0.1		
SPOTFIN SHINER	1977	6 4.6	17.92	0.1	106 17.1	69.95	9.5	112 15.1	87.87	0.5		
	1978	1 0.6	3.79	0.0	0 0.0	0.00	0.0	1 0.3	3.79	0.0		
	1979	1 1.2	6.73	0.1	21 28.4	21.45	6.0	22 13.8	28.18	0.4		
	1981	2 1.9	7.38	0.0	7 23.3	9.71	16.4	9 6.7	17.09	0.1		
	1983	3 6.7	8.02	0.1	0 0.0	0.00	0.0	3 6.1	8.02	0.1		
	1984	3 4.1	5.99	0.0	27 39.1	23.64	11.1	30 21.0	29.63	0.2		
	1985	2 0.8	2.15	0.0	33 14.6	2.91	2.0	34 9.0	5.06	0.0		
	1986	2 0.9	3.24	0.0	18 20.0	16.72	2.9	20 8.2	19.96	0.1		
	1987	6 4.9	12.97	0.1	45 62.5	44.32	2.3	53 22.6	57.29	0.5		
	1988	1 0.4	2.93	0.0	0 0.0	0.00	0.0	1 0.3	2.93	0.0		
	1989	0 0.0	0.00	0.0	6 6.1	0.87	0.2	6 1.8	0.87	0.0		
	TOTAL	28 1.7	71.12	0.0	263 17.7	169.57	5.4	291 9.3	260.69	0.2		
SAND SHINER	1977	0 0.0	0.00	0.0	5 0.8	2.51	0.3	5 0.7	2.51	0.0		
	1978	0 0.0	0.00	0.0	8 6.2	2.95	3.1	8 2.6	2.95	0.0		
	1984	0 0.0	0.00	0.0	1 1.4	0.60	0.8	1 0.7	0.60	0.0		
	1989	1 0.4	0.75	0.0	0 0.0	0.00	0.0	1 0.3	0.75	0.0		
	TOTAL	1 0.2	0.75	0.0	14 1.8	6.06	0.5	15 1.0	6.61	0.0		
REDFIN SHINER	1977	0 0.0	0.00	0.0	56 9.0	11.90	1.6	56 7.6	11.90	0.1		
	1978	0 0.0	0.00	0.0	2 1.6	2.35	2.5	2 0.7	2.35	0.0		
	1979	0 0.0	0.00	0.0	3 4.1	3.42	1.0	3 1.9	3.42	0.0		
	1981	0 0.0	0.00	0.0	2 6.7	1.93	3.3	2 1.5	1.93	0.0		
	1982	0 0.0	0.00	0.0	1 2.1	0.29	0.1	1 1.2	0.29	0.0		
	1984	0 0.0	0.00	0.0	3 4.3	2.44	3.4	3 2.1	2.44	0.0		
	1986	0 0.0	0.00	0.0	16 17.8	12.12	2.1	16 5.0	12.12	0.1		
	1987	0 0.0	0.00	0.0	3 4.2	2.47	1.2	3 1.3	2.47	0.0		
	TOTAL	0 0.0	0.00	0.0	86 7.6	36.92	1.5	86 4.1	36.92	0.0		
MIMIC SHINER	1977	0 0.0	0.00	0.0	10 1.6	3.93	0.1	10 1.4	3.93	0.0		
	1981	0 0.0	0.00	0.0	3 10.0	0.97	1.6	3 2.2	0.97	0.0		
	1986	0 0.0	0.00	0.0	1 1.1	0.39	0.1	1 0.3	0.39	0.0		
	1989	1 0.4	0.80	0.0	0 0.0	0.00	0.0	1 0.3	0.80	0.0		
	TOTAL	1 0.1	0.80	0.0	14 1.7	5.29	0.3	15 1.0	6.09	0.0		
SUCKERMOUTH MINNOW	1979	0 0.0	0.00	0.0	1 1.4	0.81	0.2	1 0.6	0.81	0.0		
	TOTAL	0 0.0	0.00	0.0	1 1.4	0.81	0.2	1 0.6	0.81	0.0		
BLUNTNOSTE MINNOW	1977	2 1.7	4.90	0.0	20 3.9	14.40	2.0	26 3.5	19.39	0.1		
	1978	2 1.1	7.43	0.1	35 27.1	14.78	15.5	37 12.1	22.21	0.2		
	1979	1 1.2	3.84	0.1	7 9.5	5.75	1.1	8 5.0	9.59	0.1		
	1981	1 1.0	1.18	0.0	1 3.3	0.63	1.1	2 1.5	1.81	0.0		
	1982	1 2.7	5.04	0.1	0 0.0	0.00	0.0	1 1.2	5.04	0.1		
	1983	3 6.7	4.02	0.0	2 50.0	5.15	85.8	5 10.2	9.17	0.1		
	1984	3 4.1	4.27	0.0	4 5.8	4.15	5.8	7 4.9	8.42	0.1		
	1985	2 1.5	9.79	0.1	40 17.7	11.87	8.2	42 11.8	21.63	0.2		
	1986	10 4.3	18.53	0.1	38 42.2	30.81	5.4	48 15.0	49.34	0.3		
	1987	1 0.6	1.05	0.0	2 2.8	1.20	0.6	3 1.3	2.25	0.0		
	1988	0 0.0	0.00	0.0	2 1.9	5.84	0.7	2 0.6	5.84	0.0		
	1989	5 2.0	6.78	0.0	4 5.4	6.45	1.7	9 2.8	13.23	0.1		
	TOTAL	31 1.9	66.72	0.0	159 10.3	101.03	2.6	190 5.8	167.75	0.1		
BULLHEAD MINNOW	1977	3 2.5	12.10	0.1	32 5.2	19.37	2.6	35 4.7	31.47	0.2		
	1982	0 0.0	0.00	0.0	1 2.1	0.10	0.0	1 1.2	0.10	0.0		
	1987	1 0.6	2.84	0.0	0 0.0	0.00	0.0	1 0.4	2.84	0.0		
	TOTAL	4 1.3	14.94	0.0	33 4.5	19.47	1.5	37 3.5	34.41	0.1		
UNIDENTIFIED MINNOWS	1977	0 0.0	0.00	0.0	68 11.0	4.46	0.6	68 9.2	4.46	0.0		
	1978	0 0.0	0.00	0.0	5 3.9	0.41	0.4	5 1.6	0.41	0.0		
	TOTAL	0 0.0	0.00	0.0	73 9.8	4.87	0.6	73 7.0	4.87	0.0		
QUILLBACK	1977	1 0.4	295.00	1.7	1 0.2	1.02	0.1	2 0.2	296.02	1.6		
	1981	1 1.0	500.00	2.2	0 0.0	0.00	0.0	1 0.7	500.00	2.2		
	1982	1 2.7	600.00	7.6	0 0.0	0.00	0.0	1 1.2	600.00	7.2		
	1983	4 8.9	2250.00	16.9	0 0.0	0.00	0.0	4 8.2	2250.00	16.9		
	1984	1 1.4	440.00	3.1	0 0.0	0.00	0.0	1 0.7	440.00	3.1		
	1985	3 2.3	2130.00	17.5	0 0.0	0.00	0.0	3 0.8	2130.00	17.3		
	1986	4 1.7	2600.00	18.1	0 0.0	0.00	0.0	4 1.2	2600.00	17.4		
	1987	4 2.5	2315.00	19.3	0 0.0	0.00	0.0	4 1.7	2315.00	19.0		
	1988	1 0.4	953.40	4.1	0 0.0	0.00	0.0	1 0.3	953.40	4.0		
	1989	1 0.4	725.00	5.3	0 0.0	0.00	0.0	1 0.3	725.00	5.1		
	TOTAL	21 1.5	12806.40	8.5	1 0.1	1.02	0.0	22 0.8	12809.42	8.3		
WHITE SUCKER	1981	1 1.0	360.00	1.6	0 0.0	0.00	0.0	1 0.7	360.00	1.6		
	TOTAL	1 1.0	360.00	1.6	0 0.0	0.00	0.0	1 0.7	360.00	1.6		
NORTHERN HOGSUCKER	1981	2 1.9	785.00	3.5	0 0.0	0.00	0.0	2 1.5	785.00	3.5		
	1982	1 2.7	310.00	3.9	0 0.0	0.00	0.0	1 1.2	310.00	3.7		
	1983	2 4.4	1190.00	9.0	0 0.0	0.00	0.0	2 4.1	1190.00	8.9		
	1984	4 5.4	1940.00	13.8	0 0.0	0.00	0.0	4 2.8	1940.00	13.7		
	1985	1 0.8	500.00	4.1	0 0.0	0.00	0.0	1 0.3	500.00	4.1		
	1986	1 0.4	725.00	5.0	0 0.0	0.00	0.0	1 0.3	725.00	4.8		
	1988	7 2.8	4049.00	17.5	0 0.0	0.00	0.0	7 2.0	4049.00	16.9		
	TOTAL	18 2.1	9499.00	8.8	0 0.0	0.00	0.0	18 1.2	9499.00	8.7		
BIGHOUTH BUFFALO	1989	1 0.4	2150.00	15.7	0 0.0	0.00	0.0	1 0.3	2150.00	15.3		
	TOTAL	1 0.4	2150.00	15.7	0 0.0	0.00	0.0	1 0.3	2150.00	15.3		

APPENDIX D-4 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3L OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES	---ELECTROFISHING---				-----SEINING-----				-----TOTAL-----				
	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	
SILVER REDHORSE	1977	1	0.4	\$10.00	4.7	0	0.0	0.00	0.0	1	0.1	\$10.00	4.5
	1978	1	0.6	\$140.00	12.1	0	0.0	0.00	0.0	1	0.3	\$140.00	12.0
	1983	2	4.4	\$57.00	6.4	0	0.0	0.00	0.0	2	4.1	\$57.00	6.4
	1984	1	1.4	\$90.00	6.3	0	0.0	0.00	0.0	1	0.7	\$90.00	6.3
	1985	1	0.8	\$80.00	7.2	0	0.0	0.00	0.0	1	0.3	\$80.00	7.1
	TOTAL	6	1.0	\$457.00	6.9	0	0.0	0.00	0.0	6	0.3	\$457.00	6.8
RIVER REDHORSE	1977	5	4.2	\$53.50	3.2	0	0.0	0.00	0.0	5	0.7	\$53.50	3.1
	1978	1	0.8	\$6.00	2.4	0	0.0	0.00	0.0	1	0.3	\$6.00	0.4
	1979	2	2.3	\$6.00	5.3	0	0.0	0.00	0.0	2	1.3	\$6.00	0.7
	1981	1	1.0	\$180.00	0.8	0	0.0	0.00	0.0	1	0.7	\$180.00	0.8
	1983	1	2.2	\$60.00	4.2	0	0.0	0.00	0.0	1	2.0	\$60.00	4.2
	1984	2	2.7	\$715.00	19.3	0	0.0	0.00	0.0	2	1.4	\$715.00	19.2
	1986	5	2.2	\$58.00	1.1	0	0.0	0.00	0.0	5	1.6	\$58.00	1.1
	1987	1	0.6	\$140.00	1.2	0	0.0	0.00	0.0	1	0.4	\$140.00	1.1
	1988	1	0.4	\$90.00	0.4	0	0.0	0.00	0.0	1	0.3	\$90.00	0.4
	TOTAL	19	1.5	\$488.50	3.4	0	0.0	0.00	0.0	19	0.8	\$488.50	3.3
BLACK REDHORSE	1983	2	4.4	\$58.00	3.4	0	0.0	0.00	0.0	2	4.1	\$58.00	3.4
	1978	1	0.4	\$200.00	1.4	0	0.0	0.00	0.0	1	0.3	\$200.00	1.3
	1988	4	1.6	\$140.00	6.1	0	0.0	0.00	0.0	4	1.1	\$140.00	5.9
	TOTAL	7	1.3	\$208.00	4.1	0	0.0	0.00	0.0	7	1.0	\$208.00	4.0
GOLDEN REDHORSE	1977	21	17.5	\$782.50	39.3	0	0.0	0.00	0.0	21	2.8	\$782.50	37.7
	1978	7	3.9	\$124.00	11.3	0	0.0	0.00	0.0	7	2.3	\$124.00	13.1
	1979	7	6.1	\$2140.00	29.7	3	0.0	0.00	0.0	7	4.4	\$2140.00	28.3
	1981	20	16.2	\$684.00	25.0	0	0.0	0.00	0.0	20	14.9	\$684.00	24.9
	1982	4	10.8	\$730.00	9.2	0	0.0	0.00	0.0	4	4.8	\$730.00	8.8
	1983	5	11.1	\$2430.00	18.3	0	0.0	0.00	0.0	5	10.2	\$2430.00	18.3
	1984	18	24.3	\$464.00	32.8	0	0.0	0.00	0.0	18	12.6	\$464.00	38.6
	1985	19	14.6	\$158.00	34.2	0	0.0	0.00	0.0	19	5.1	\$158.00	33.8
	1986	24	10.4	\$368.70	25.8	1	1.1	\$21.00	3.7	25	7.8	\$370.70	24.8
	1987	16	9.8	\$305.06	25.0	0	0.0	0.00	0.0	16	6.8	\$305.06	24.6
	1988	27	10.6	\$1774.80	50.9	0	0.0	0.00	0.0	27	7.2	\$1774.80	49.1
	1989	23	9.1	\$349.00	24.4	0	0.0	0.00	0.0	23	7.1	\$349.00	23.8
	TOTAL	191	11.4	\$50423.06	30.2	1	0.1	\$21.00	0.9	192	6.0	\$50444.06	29.5
SHORTHEAD REDHORSE	1977	8	6.7	\$2433.50	14.1	0	0.0	0.00	0.0	8	1.1	\$2433.50	13.5
	1978	1	0.6	\$35.00	0.4	0	0.0	0.00	0.0	1	0.3	\$35.00	0.4
	1979	2	2.3	\$497.00	6.9	0	0.0	0.00	0.0	2	1.3	\$497.00	6.6
	1981	17	16.3	\$1417.00	27.2	0	0.0	0.00	0.0	17	12.7	\$1417.00	27.1
	1982	1	2.7	\$240.00	3.0	0	0.0	0.00	0.0	1	1.2	\$240.00	2.9
	1983	2	4.4	\$60.00	6.5	0	0.0	0.00	0.0	2	4.1	\$60.00	6.5
	1984	4	5.4	\$286.00	2.0	0	0.0	0.00	0.0	4	2.8	\$286.00	2.5
	1985	2	1.5	\$14.00	4.2	0	0.0	0.00	0.0	2	0.6	\$14.00	4.2
	1986	6	2.6	\$760.02	5.3	0	0.0	0.00	0.0	6	1.9	\$760.02	5.1
	1988	2	0.8	\$101.00	4.8	0	0.0	0.00	0.0	2	0.6	\$101.00	4.8
	1989	4	1.6	\$807.00	3.9	0	0.0	0.00	0.0	4	1.2	\$807.00	3.7
	TOTAL	49	3.2	\$3680.52	8.8	0	0.0	0.00	0.0	49	1.6	\$3680.52	8.6
UNIDENTIFIED REDHORSE	1977	2	1.7	\$7.16	0.0	3	0.5	\$7.82	1.1	5	0.7	\$14.98	0.1
	1983	1	2.2	\$9.94	0.0	0	0.0	0.00	0.0	1	2.0	\$9.94	0.0
	TOTAL	3	1.6	\$8.10	0.0	3	0.5	\$7.82	1.1	6	0.8	\$15.92	0.1
CHANNEL CATFISH	1977	2	1.3	\$76.50	5.1	0	0.0	0.00	0.0	2	0.2	\$76.50	4.9
	1978	2	1.1	\$160.00	23.0	0	0.0	0.00	0.0	2	0.7	\$160.00	22.8
	TOTAL	4	1.2	\$306.50	11.4	0	0.0	0.00	0.0	4	0.3	\$306.50	11.0
STONECAT	1977	1	0.4	\$12.50	0.1	0	0.0	0.00	0.0	1	0.1	\$12.50	0.1
	1979	2	2.3	\$55.00	0.8	0	0.0	0.00	0.0	2	1.3	\$55.00	0.7
	1984	1	1.4	\$6.00	0.1	0	0.0	0.00	0.0	1	0.7	\$6.00	0.1
	TOTAL	4	1.3	\$75.50	0.2	0	0.0	0.00	0.0	4	0.3	\$75.50	0.2
BLACKSTRIPE TOPMINNOW	1977	0	0.0	\$0.00	0.0	7	1.1	\$2.01	0.3	7	0.9	\$2.01	0.0
	1979	0	0.0	\$0.00	0.0	1	1.4	\$2.08	0.6	1	0.6	\$2.08	0.0
	1985	0	0.0	\$0.00	0.0	4	1.8	\$1.08	0.7	4	1.1	\$1.08	0.0
	1987	1	0.6	\$0.01	0.0	7	9.7	\$4.96	2.5	8	3.4	\$4.97	0.0
	1988	0	0.0	\$0.00	0.0	13	12.6	\$9.84	1.1	13	3.6	\$9.84	0.0
	1989	0	0.0	\$0.00	0.0	2	2.7	\$0.22	0.1	2	0.6	\$0.22	0.0
	TOTAL	1	0.1	\$0.01	0.0	34	2.9	\$20.19	0.8	35	1.6	\$20.20	0.0
BROOK SILVERSIDE	1977	3	2.5	\$3.26	0.0	14	7.1	\$25.98	3.5	17	8.4	\$29.24	0.2
	1978	1	0.6	\$2.03	0.0	0	0.0	\$0.00	0.0	1	0.2	\$2.03	0.0
	1984	0	0.0	\$0.00	0.0	16	23.2	\$3.49	4.9	16	11.2	\$3.49	0.0
	1985	0	0.0	\$0.00	0.0	69	30.5	\$16.79	12.9	69	19.4	\$16.79	0.2
	1986	2	0.9	\$3.10	0.0	0	0.0	\$0.00	0.0	2	0.6	\$3.10	0.0
	1987	1	0.6	\$1.83	0.0	7	9.7	\$5.51	2.8	8	3.4	\$7.34	0.1
	1988	11	4.3	\$14.65	0.1	0	0.0	\$0.00	0.0	11	3.1	\$14.65	0.1
	1989	2	0.8	\$2.35	0.0	40	54.1	\$12.02	3.2	42	12.9	\$14.37	0.1
	TOTAL	20	1.4	\$27.22	0.0	176	12.7	\$65.79	2.1	196	7.0	\$93.01	0.1
ROCK BASS	1977	14	11.7	\$51.92	4.9	8	1.3	\$93.21	53.5	22	3.0	\$125.13	6.9
	1978	25	14.0	\$1440.00	15.3	2	1.6	\$0.41	0.4	27	8.8	\$1440.41	15.2
	1979	14	16.3	\$61.00	10.6	2	2.7	\$80.00	50.3	16	10.0	\$61.00	12.5
	1981	14	13.5	\$1272.00	5.6	4	13.3	\$9.74	1.3	18	13.4	\$1272.74	5.6
	1982	4	10.8	\$418.00	5.3	0	0.0	\$0.00	0.0	4	4.8	\$418.00	5.0
	1983	2	4.4	\$255.00	1.9	0	0.0	\$0.00	0.0	2	4.1	\$255.00	1.9
	1984	5	6.8	\$254.00	1.8	0	0.0	\$0.00	0.0	5	3.5	\$254.00	1.8
	1985	17	13.1	\$339.50	6.9	1	0.4	\$13.41	9.2	18	5.1	\$352.91	6.9
	1986	34	14.7	\$214.59	16.1	2	2.2	\$51.00	61.9	36	11.2	\$265.59	17.8
	1987	30	18.4	\$145.10	11.8	1	1.4	\$28.45	14.3	31	13.2	\$145.55	11.8
	1988	10	3.9	\$118.25	4.8	18	17.5	\$284.61	32.5	28	7.8	\$1402.86	5.8
	1989	29	11.5	\$616.59	4.5	1	1.4	\$254.00	67.9	30	9.2	\$870.59	6.2
	TOTAL	198	11.8	\$1555.95	6.9	39	2.5	\$1505.83	39.1	237	7.4	\$3061.78	7.6
GREEN SUNFISH	1977	11	9.2	\$63.27	1.5	1	0.2	\$0.16	0.0	12	1.6	\$63.43	1.6
	1978	26	14.6	\$95.30	7.4	0	0.0	\$0.00	0.0	26	8.5	\$95.30	7.3
	1979	14	16.3	\$301.00	4.2	0	0.0	\$0.00	0.0	14	8.8	\$301.00	4.0
	1981	11	10.6	\$293.00	1.3	1	3.3	\$0.26	0.4	12	9.0	\$293.26	1.3
	1982	3	6.1	\$55.00	0.7	0	0.0	\$0.00	0.0	3	3.6	\$55.00	0.6
	1985	2	1.5	\$13.85	0.6	0	0.0	\$0.00	0.0	2	0.6	\$13.85	0.6
	1986	8	3.5	\$291.00	2.0	0	0.0	\$0.00	0.0	8	2.5	\$291.00	1.9
	1987	7	4.3	\$288.20	2.4	1	1.4	\$6.58	28.4	8	3.4	\$344.78	2.8
	1989	38	15.1	\$289.86	1.6	0	0.0	\$0.00	0.0	38	11.7	\$289.86	1.6
	TOTAL	120	9.2	\$510.18	2.2	3	0.2	\$7.00	2.0	123	4.6	\$567.18	2.1
PUMPKINSEED	1977	1	0.4	\$3.34	0.0	0	0.0	\$0.00	0.0	1	0.1	\$3.34	0.0
	TOTAL	1	0.4	\$3.34	0.0	0	0.0	\$0.00	0.0	1	0.1	\$3.34	0.0
ORANGESPOTTED SUNFISH	1977	1	0.8	\$3.03	0.0	4	0.6	\$1.12	0.2	5	0.7	\$4.15	0.0
	1978	6	3.4	\$8.00	1.0	0	0.0	\$0.00	0.0	6	2.0	\$8.00	0.9
	1979	4	4.7	\$70.00	1.0	0	0.0	\$0.00	0.0	4	2.5	\$70.00	0.9
	1981	2	1.9	\$19.00	0.1	2	6.7	\$6.25	10.6	4	3.0	\$25.25	0.1
	1983	2	4.4	\$5.00	0.3	0	0.0	\$0.00	0.0	2	4.1	\$5.00	0.3
	1985	3	2.3	\$1.00	0.4	0	0.0	\$0.00	0.0	3	0.8	\$1.00	0.4
	1986	27</											

APPENDIX D-4 (CONT.), TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3L OF THE BRAIDWOOD
 AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
 AND JULY/AUGUST 1989.

SPECIES	---ELECTROFISHING---				---SEINING---				---TOTAL---				
	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	\$WT		
BLUEGILL	1977	1	0.4	0.92	0.0	0	0.0	0.00	0.0	1	0.1	0.92	0.0
	1978	6	3.4	83.00	0.9	1	0.8	10.00	10.5	7	2.3	93.00	1.0
	1979	1	1.2	31.00	0.4	0	0.0	0.00	0.0	1	0.6	31.00	0.4
	1981	3	2.9	12.00	0.1	1	3.3	7.94	8.5	4	3.0	14.94	0.1
	1982	1	2.7	45.00	0.4	0	0.0	0.00	0.0	1	1.2	45.00	0.5
	1984	1	1.4	2.00	0.1	0	0.0	0.00	0.0	1	0.7	16.00	0.1
	1986	4	1.7	33.07	0.2	1	1.1	2.86	0.5	5	1.6	35.93	0.2
	1987	1	0.6	6.00	0.0	1	1.4	6.86	3.4	2	0.9	12.86	0.1
	1989	2	0.8	6.97	0.1	1	1.4	2.70	0.7	3	0.9	9.67	0.1
	TOTAL	20	1.6	233.96	0.2	5	0.4	25.06	0.9	25	1.0	259.02	0.2
NORTHERN LONGEAR SUNFISH	1977	12	10.0	170.39	1.0	0	0.0	0.00	0.0	12	1.6	170.39	0.9
	TOTAL	12	10.0	170.39	1.0	0	0.0	0.00	0.0	12	1.6	170.39	0.9
LONGEAR SUNFISH	1977	4	2.9	50.04	0.3	1	0.2	0.24	0.0	5	0.6	50.28	0.3
	1978	62	34.8	1057.00	11.2	0	0.0	0.00	0.0	62	20.2	1057.00	11.1
	1979	21	24.4	533.31	7.4	2	2.7	61.00	17.1	23	14.4	594.31	7.9
	1981	8	7.7	154.00	0.7	0	0.0	0.00	0.0	8	6.0	154.00	0.7
	1982	7	18.9	159.00	2.0	1	2.1	7.07	1.2	8	9.5	166.07	2.0
	1983	5	11.1	37.00	0.7	0	0.0	0.00	0.0	5	10.2	37.00	0.7
	1984	11	14.9	166.25	1.2	2	2.9	29.62	41.5	13	9.1	195.87	1.4
	1985	28	21.3	382.76	3.1	5	2.2	61.92	42.6	33	9.3	444.68	3.6
	1986	80	34.6	1065.59	7.5	4	4.4	103.15	18.2	84	26.2	1168.74	7.9
	1987	42	25.3	455.31	3.4	2	2.6	41.43	20.8	44	17.7	496.74	4.1
	1988	3	1.2	42.00	0.2	23	22.3	287.52	32.8	26	1.3	329.52	1.4
	1989	62	32.5	882.57	6.4	7	9.5	55.48	9.5	69	27.3	938.05	6.5
	TOTAL	353	21.1	5053.19	3.0	47	3.1	627.37	16.3	400	12.4	5680.56	3.3
GREEN X LONGEAR SUNFISH	1979	1	1.2	9.00	0.1	0	0.0	0.00	0.0	1	0.6	9.00	0.1
	TOTAL	1	1.2	9.00	0.1	0	0.0	0.00	0.0	1	0.6	9.00	0.1
GREEN SUNFISH HYBRID	1981	1	1.0	10.00	0.0	0	0.0	0.00	0.0	1	0.7	10.00	0.0
	TOTAL	1	1.0	10.00	0.0	0	0.0	0.00	0.0	1	0.7	10.00	0.0
UNIDENTIFIED SUNFISH	1977	0	0.0	0.00	0.0	2	0.3	0.09	0.0	2	0.3	0.09	0.0
	1981	0	0.0	0.00	0.0	1	3.3	0.12	0.2	1	0.7	0.12	0.0
	1983	0	0.0	0.00	0.0	1	25.0	0.85	10.8	1	2.0	0.85	0.0
	TOTAL	0	0.0	0.00	0.0	4	0.6	0.86	0.1	4	0.4	0.86	0.0
SMALLMOUTH BASS	1977	16	12.9	2176.05	12.6	0	0.0	0.00	0.0	16	2.1	2176.05	12.1
	1978	19	7.9	1140.00	12.1	1	0.8	1.59	1.7	15	6.9	1141.59	12.0
	1979	8	9.3	1422.00	19.8	0	0.0	0.00	0.0	8	5.0	1422.00	18.8
	1981	8	7.1	2472.00	11.4	0	0.0	0.00	0.0	8	6.0	2472.00	11.3
	1982	12	32.4	1548.03	24.4	0	0.0	0.00	0.0	12	14.3	1548.03	23.4
	1983	6	17.8	727.32	5.5	0	0.0	0.00	0.0	6	16.3	727.32	5.5
	1984	17	23.0	1804.92	12.8	0	0.0	0.00	0.0	17	11.9	1804.92	12.8
	1985	48	13.9	2149.59	17.7	8	3.5	22.96	15.8	56	17.7	2172.55	17.7
	1986	18	7.8	1755.64	12.2	0	0.0	0.00	0.0	18	9.6	1755.64	11.7
	1987	34	20.9	3041.52	25.3	0	0.0	0.00	0.0	34	14.5	3041.52	24.9
	1988	135	53.1	1770.43	7.7	41	39.8	241.71	27.4	176	49.3	2012.14	8.4
	1989	43	17.1	3684.21	26.0	5	6.8	45.26	12.1	48	14.7	3729.47	26.5
	TOTAL	361	21.5	24181.97	14.5	55	3.6	311.52	8.1	416	12.9	24493.43	14.3
LARGEMOUTH BASS	1977	1	0.8	8.79	0.1	0	0.0	0.00	0.0	1	0.1	8.79	0.0
	1978	2	1.1	5.00	0.1	1	0.8	2.48	2.5	3	1.0	7.48	0.1
	1979	1	1.2	2.69	0.0	0	0.0	0.00	0.0	1	0.6	2.69	0.0
	1982	0	0.0	0.00	0.0	3	6.4	5.85	1.0	3	3.6	5.85	0.1
	1983	1	2.2	8.00	0.1	0	0.0	0.00	0.0	1	2.0	8.00	0.1
	1984	0	0.0	0.00	0.0	1	1.4	3.08	4.3	1	0.7	3.08	0.0
	1985	1	0.8	350.00	2.9	0	0.0	0.00	0.0	1	0.3	350.00	2.6
	1986	2	0.9	402.00	2.8	0	0.0	0.00	0.0	2	0.6	402.00	2.7
	1987	2	1.2	95.92	0.8	2	2.8	6.33	3.2	4	1.7	102.25	0.8
	1989	3	1.2	101.90	0.7	4	3.4	6.32	1.7	7	2.1	108.22	0.8
	TOTAL	13	1.0	574.30	0.8	11	3.8	23.66	0.8	24	0.9	598.16	0.8
WHITE CRAPPIE	1979	0	0.0	0.00	0.0	4	5.4	68.76	19.2	4	2.5	68.76	0.9
	1981	4	3.8	293.00	1.3	0	0.0	0.00	0.0	4	3.0	293.00	1.3
	1982	0	0.0	0.00	0.0	1	2.1	0.79	0.2	1	1.2	0.79	0.0
	1984	2	5.7	77.00	0.5	0	0.0	0.00	0.0	2	1.4	77.00	0.5
	TOTAL	6	2.0	370.00	0.7	5	2.3	69.51	5.2	11	2.1	439.51	0.8
BLACK CRAPPIE	1977	1	0.4	4.00	0.0	14	2.3	41.09	5.1	15	2.0	45.09	0.3
	1978	1	0.6	26.00	0.3	0	0.0	0.00	0.0	1	0.3	26.00	0.3
	1979	0	0.0	0.00	0.0	3	4.1	2.74	0.8	3	1.9	2.74	0.0
	1981	0	0.0	0.00	0.0	5	10.7	14.70	24.8	5	3.7	14.70	0.1
	1988	0	0.0	0.00	0.0	1	1.0	7.29	0.8	1	0.3	7.29	0.0
	TOTAL	2	0.2	30.00	0.0	23	2.4	65.82	3.1	25	1.4	95.52	0.1
JOHNNY DARTER	1977	0	0.0	0.00	0.0	2	0.3	0.30	0.0	2	0.3	0.30	0.0
	1985	0	0.0	0.00	0.0	1	0.4	0.54	0.4	1	0.3	0.54	0.0
	1988	1	0.4	0.43	0.0	0	0.0	0.00	0.0	1	0.3	0.43	0.0
	1989	1	0.4	0.82	0.0	0	0.0	0.00	0.0	1	0.3	0.82	0.0
	TOTAL	2	0.3	1.25	0.0	3	0.3	0.84	0.0	5	0.3	2.09	0.0
BANDED DARTER	1977	0	0.0	0.00	0.0	1	0.2	0.38	0.1	1	0.1	0.38	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.2	0.38	0.1	1	0.1	0.38	0.0
LOG PERCH	1988	39	15.4	111.51	0.5	0	0.0	0.00	0.0	39	10.9	111.51	0.5
	1989	2	0.8	19.28	0.1	0	0.0	0.00	0.0	2	0.6	19.28	0.1
	TOTAL	41	8.1	130.79	0.4	0	0.0	0.00	0.0	41	6.0	130.79	0.3
BLACKSIDE DARTER	1988	0	0.0	0.00	0.0	1	1.0	2.38	0.3	1	0.3	2.38	0.0
	TOTAL	0	0.0	0.00	0.0	1	1.0	2.38	0.3	1	0.3	2.38	0.0
SLENDERHEAD DARTER	1988	5	2.0	14.43	0.1	0	0.0	0.00	0.0	5	1.4	14.43	0.1
	TOTAL	5	2.0	14.43	0.1	0	0.0	0.00	0.0	5	1.4	14.43	0.1
WALLEYE	1977	2	1.3	62.00	0.4	0	0.0	0.00	0.0	2	0.2	62.00	0.3
	TOTAL	2	1.3	62.00	0.4	0	0.0	0.00	0.0	2	0.2	62.00	0.3

APPENDIX D-5. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3R OF THE BRAIDWOOD
 AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
 AND JULY/AUGUST 1989.

SPECIES	---ELECTROFISHING---				---SEINING---				---TOTAL---					
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT		
LONGNOSE GAR	1977	1	0.7	45.00	0.3	0	0.0	0.00	0.0	1	0.1	45.00	0.3	
	1978	0	0.0	0.00	0.0	1	0.3	10.52	2.2	1	0.3	10.52	0.1	
	1981	1	1.1	188.00	1.1	0	0.0	0.00	0.0	1	0.9	188.00	1.1	
	1985	1	0.4	29.00	0.2	0	0.0	0.00	0.0	1	0.1	29.00	0.2	
	1989	3	1.7	10.00	0.1	0	0.0	0.00	0.0	3	1.4	10.00	0.1	
	TOTAL	6	0.8	272.00	0.4	1	0.1	10.52	0.8	7	0.9	282.52	0.4	
GIZZARD SHAD	1977	2	2.1	9.88	0.1	5	0.8	2.15	0.5	7	0.9	12.03	0.1	
	1978	19	23.2	171.59	2.1	1	0.3	7.55	1.6	20	5.3	179.14	2.1	
	1979	1	1.9	162.00	3.2	0	0.0	0.00	0.0	1	0.5	162.00	3.1	
	1981	3	3.2	48.00	0.3	6	28.6	20.05	17.3	9	7.8	68.05	0.4	
	1982	1	2.9	160.00	1.4	0	0.0	0.00	0.0	1	2.6	160.00	1.4	
	1983	6	12.0	1309.06	8.8	0	0.0	0.00	0.0	6	7.8	1309.06	8.8	
	1984	4	7.5	318.82	3.2	1	2.3	1.13	3.2	5	5.2	319.95	3.1	
	1985	3	1.1	406.25	2.5	0	0.0	0.00	0.0	3	0.4	406.25	2.5	
	1983	2	2.2	229.59	1.5	0	0.0	0.00	0.0	3	1.7	227.59	1.5	
	1987	13	8.7	1204.22	17.2	0	0.0	0.00	0.0	13	5.6	1204.22	16.8	
	1988	4	1.5	1798.00	8.9	0	0.0	0.00	0.0	4	1.2	1798.00	8.7	
	1989	1	0.6	205.00	1.2	2	5.1	0.59	0.5	3	1.4	205.59	1.2	
	TOTAL	60	4.1	6022.41	3.7	15	0.9	31.47	1.4	75	2.3	6053.88	3.8	
	GRASS PICKEREL	1977	1	0.7	6.00	0.0	0	0.0	0.00	0.0	1	0.1	6.00	0.0
		1978	1	1.2	6.00	0.1	0	0.0	0.00	0.0	1	0.3	6.00	0.1
1979		1	1.9	9.00	0.2	0	0.0	0.00	0.0	1	0.5	9.00	0.2	
1984		1	1.9	152.00	1.5	0	0.0	0.00	0.0	1	1.0	152.00	1.5	
1986		1	0.7	12.00	0.1	0	0.0	0.00	0.0	1	0.6	12.00	0.1	
1989		0	0.0	0.00	0.0	1	2.4	5.64	4.9	1	0.5	5.64	0.0	
TOTAL		5	0.6	185.00	0.3	1	0.1	5.64	0.5	6	0.3	190.64	0.3	
NORTHERN PIKE	1979	1	1.9	75.00	1.5	0	0.0	0.00	0.0	1	0.5	75.00	1.4	
	1982	1	2.9	1560.00	14.0	0	0.0	0.00	0.0	1	2.6	1560.00	14.0	
	1985	1	0.4	425.00	2.6	0	0.0	0.00	0.0	1	0.1	425.00	2.6	
	1986	1	0.7	560.00	3.7	0	0.0	0.00	0.0	1	0.6	560.00	3.7	
	TOTAL	4	0.8	2620.00	5.5	0	0.0	0.00	0.0	4	0.4	2620.00	5.5	
CARP	1977	3	4.1	6565.00	41.8	0	0.0	0.00	0.0	3	0.4	6565.00	40.7	
	1978	1	1.2	1640.00	20.4	0	0.0	0.00	0.0	1	0.3	1640.00	19.2	
	1981	2	2.1	1410.00	8.5	0	0.0	0.00	0.0	2	1.7	1410.00	8.5	
	1982	1	2.9	4313.00	38.7	0	0.0	0.00	0.0	1	2.6	4313.00	38.6	
	1983	2	4.0	1662.00	11.1	0	0.0	0.00	0.0	2	2.6	1662.00	11.1	
	1987	1	0.7	2200.00	31.3	0	0.0	0.00	0.0	1	0.4	2200.00	30.7	
	1988	6	3.0	7942.60	39.4	0	0.0	0.00	0.0	6	2.4	7942.60	38.5	
	1989	8	4.5	1974.83	11.8	0	0.0	0.00	0.0	8	3.7	1974.83	11.7	
	TOTAL	26	2.8	27707.43	25.1	0	0.0	0.00	0.0	26	1.2	27707.43	24.7	
SILVERJAW MINNOW	1978	0	0.0	0.00	0.0	6	2.0	3.00	0.6	6	1.6	3.00	0.0	
	TOTAL	0	0.0	0.00	0.0	6	2.0	3.00	0.6	6	1.6	3.00	0.0	
HORNHEAD CHUB	1977	0	0.0	0.00	0.0	1	0.2	1.19	0.3	1	0.1	1.19	0.0	
	1981	1	0.4	22.00	0.1	2	0.5	1.43	0.5	3	0.4	23.43	0.1	
	1987	0	0.0	0.00	0.0	1	1.1	2.24	1.6	1	0.4	2.24	0.0	
	1988	0	0.0	0.00	0.0	1	1.4	0.47	0.1	1	0.3	0.47	0.0	
	TOTAL	1	0.1	22.00	0.0	5	0.4	5.33	0.4	6	0.3	27.33	0.0	
GOLDEN SHINER	1979	0	0.0	0.00	0.0	2	1.4	0.79	0.7	2	1.0	0.79	0.0	
	1981	2	2.1	15.00	0.1	0	0.0	0.00	0.0	2	1.7	15.00	0.1	
	1982	1	2.9	8.83	0.1	0	0.0	0.00	0.0	1	2.6	8.83	0.1	
	TOTAL	3	1.6	23.83	0.1	2	1.2	0.79	0.3	5	1.4	24.62	0.1	
EMERALD SHINER	1985	0	0.0	0.00	0.0	1	0.3	0.05	0.0	1	0.1	0.05	0.0	
	1989	0	0.0	0.00	0.0	1	2.4	0.37	0.3	1	0.5	0.37	0.0	
	TOTAL	0	0.0	0.00	0.0	2	0.5	0.42	0.1	2	0.2	0.42	0.0	
STRIPED SHINER	1978	0	0.0	0.00	0.0	18	6.1	9.32	1.9	18	4.8	9.32	0.1	
	1979	0	0.0	0.00	0.0	5	3.5	1.02	0.9	5	2.5	1.02	0.0	
	1983	0	0.0	0.00	0.0	24	88.9	4.91	70.5	24	31.2	4.91	0.0	
	1984	0	0.0	0.00	0.0	1	2.3	0.81	1.2	1	1.0	0.81	0.0	
	1985	2	0.7	1.38	0.0	189	40.1	62.62	31.7	191	23.6	64.00	0.5	
	1988	68	25.7	79.21	0.4	2	2.8	4.10	0.9	70	20.8	83.31	0.4	
	1989	2	1.1	12.08	0.1	2	5.1	6.72	7.5	4	1.8	20.78	0.1	
	TOTAL	72	7.4	92.85	0.1	211	20.8	111.10	7.4	283	14.3	201.75	0.2	
ROSYFACE SHINER	1977	0	0.0	0.00	0.0	19	3.0	7.86	1.9	19	2.7	7.86	0.0	
	1978	3	3.7	2.40	0.0	9	3.1	3.92	0.8	12	3.2	6.32	0.1	
	1979	0	0.0	0.00	0.0	16	11.2	6.15	5.3	16	6.1	6.15	0.1	
	1981	1	1.1	10.00	0.1	0	0.0	0.00	0.0	1	0.9	10.00	0.1	
	1982	1	2.9	1.96	0.0	4	100	1.96	100	5	13.2	3.92	0.0	
	1985	2	0.7	0.80	0.0	4	8.6	11.96	4.6	6	5.3	12.76	0.1	
	1986	2	1.4	2.30	0.0	0	0.0	0.00	0.0	2	1.1	2.30	0.0	
	1987	0	0.0	0.00	0.0	1	1.4	0.04	0.0	1	0.4	0.04	0.0	
	1988	3	1.1	2.47	0.0	0	0.0	0.00	0.0	3	0.9	2.47	0.0	
	1989	6	3.4	6.16	0.0	8	20.5	2.44	2.1	14	6.4	8.60	0.1	
	TOTAL	16	1.3	76.29	0.0	91	5.3	34.34	1.6	109	3.5	80.63	0.0	
SPOTFIN SHINER	1977	11	15.2	50.99	0.3	310	48.4	261.00	82.0	321	45.0	313.99	1.9	
	1978	1	1.2	3.02	0.0	42	14.3	72.01	15.0	43	11.5	75.03	0.9	
	1979	7	13.0	34.25	0.7	96	67.1	93.24	80.3	103	52.3	127.49	2.4	
	1981	2	2.1	2.00	0.0	11	52.4	13.05	11.3	13	11.3	15.05	0.1	
	1983	5	10.0	12.70	0.1	2	7.4	1.65	26.6	7	9.1	14.55	0.1	
	1984	1	1.9	0.01	0.0	38	86.4	28.1	81.4	39	40.2	29.52	0.3	
	1985	14	4.9	42.75	0.3	65	16.4	26.83	10.3	79	11.6	69.58	0.4	
	1986	12	8.6	12.89	0.1	5	11.9	3.98	10.5	17	9.4	16.87	0.1	
	1987	68	45.3	56.64	0.8	52	70.3	64.89	46.4	120	53.6	121.53	1.7	
	1988	2	0.8	4.91	0.0	5	6.9	10.56	2.3	7	2.1	15.47	0.1	
	1989	0	0.0	0.00	0.0	1	7.7	0.79	0.7	1	1.4	0.79	0.0	
	TOTAL	123	8.6	221.86	0.2	629	35.1	578.81	26.3	752	23.4	800.67	0.5	
SAND SHINER	1977	1	0.7	0.15	0.0	47	7.3	10.69	2.5	48	6.7	10.84	0.1	
	1978	0	0.0	0.00	0.0	32	10.9	8.62	1.8	32	8.5	8.62	0.1	
	1979	0	0.0	0.00	0.0	13	9.1	0.35	5.5	13	6.6	6.35	0.1	
	1983	0	0.0	0.00	0.0	1	3.7	0.19	2.7	1	1.1	0.19	0.0	
	1985	0	0.0	0.00	0.0	1	0.3	0.23	0.1	1	0.1	0.23	0.0	
	1988	4	1.5	6.01	0.0	0	0.0	0.00	0.0	4	1.2	6.01	0.0	
	TOTAL	5	0.6	6.16	0.0	94	6.0	26.08	1.5	99	4.1	32.24	0.0	

APPENDIX D-5 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1A OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	NO.	WT (G)	NO.	NO.	WT (G)	NO.	NO.	WT (G)
REDFIN SHINER	1977	0	0.0	0.00	0.0	1	0.2	0.30	0.0
	1978	0	0.0	0.00	0.0	6	2.0	5.08	0.1
	1981	0	0.0	0.00	0.0	1	4.8	0.57	0.0
	1984	0	0.0	0.00	0.0	1	7.3	0.80	0.0
	1985	0	0.0	0.00	0.0	13	3.3	13.98	0.1
	1987	0	0.0	0.00	0.0	4	5.4	3.08	0.0
	1988	4	1.5	3.87	0.0	0	0.0	0.00	0.0
	1989	0	0.0	0.00	0.0	1	2.6	0.79	0.0
TOTAL	4	0.3	3.87	0.0	27	1.7	31	1.1	28.47
MINIC SHINER	1977	0	0.0	0.00	0.0	1	0.2	0.64	0.0
	1986	1	0.7	0.42	0.0	0	0.0	0.00	0.0
	1988	10	3.8	12.20	0.1	0	0.0	0.00	0.0
	TOTAL	11	2.3	12.62	0.1	1	0.1	0.64	0.0
BUCKERMOUTH MINNOW	1978	1	1.2	0.88	0.0	5	1.7	2.53	0.5
	1983	2	4.0	1.34	0.0	0	0.0	0.00	0.0
	1985	1	0.4	1.50	0.0	0	0.0	0.00	0.0
	TOTAL	4	1.0	3.72	0.0	5	0.7	2.53	0.5
BLUNTNOST MINNOW	1977	2	2.6	5.28	0.0	31	11.8	19.57	4.6
	1978	7	8.5	13.03	0.2	143	48.8	314.99	65.7
	1979	4	7.4	19.57	0.4	4	2.6	2.83	2.4
	1984	0	0.0	0.00	0.0	2	4.5	1.88	5.3
	1985	51	18.0	105.97	0.6	66	16.6	43.99	16.9
	1986	27	19.4	62.12	0.3	33	78.6	30.32	80.0
	1987	13	8.7	19.45	0.3	7	9.5	11.19	8.0
	1988	29	10.9	53.15	0.3	1	1.4	1.69	0.4
	1989	6	3.4	8.34	0.0	11	26.2	6.34	5.5
	TOTAL	139	10.9	266.91	0.2	298	17.1	432.80	20.9
FATHEAD MINNOW	1978	0	0.0	0.00	0.0	1	0.3	1.62	0.3
	TOTAL	0	0.0	0.00	0.0	1	0.3	1.62	0.3
BULLHEAD MINNOW	1977	12	15.9	33.01	0.2	43	6.7	33.95	8.0
	1978	5	6.1	12.32	0.2	2	0.7	4.89	1.0
	1979	1	1.9	5.08	0.1	0	0.0	0.00	0.0
	1984	2	3.8	6.31	0.1	0	0.0	0.00	0.0
	1985	12	4.2	31.19	0.2	6	1.5	12.22	4.7
	1987	1	0.7	1.59	0.0	2	2.7	1.13	0.8
	TOTAL	33	4.7	91.50	0.1	53	3.3	52.19	3.6
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	108	16.6	5.17	1.2
	TOTAL	0	0.0	0.00	0.0	108	16.6	5.17	1.2
QUILLBACK	1977	1	1.4	466.50	3.0	0	0.0	0.00	0.0
	1978	9	11.0	3674.00	45.6	0	0.0	0.00	0.0
	1979	5	9.3	1748.00	34.0	0	0.0	0.00	0.0
	1981	2	2.1	990.00	6.0	0	0.0	0.00	0.0
	1982	1	2.9	600.00	5.4	0	0.0	0.00	0.0
	1983	14	28.0	9020.00	60.4	0	0.0	0.00	0.0
	1984	5	9.4	2900.00	29.3	0	0.0	0.00	0.0
	1985	3	1.1	2295.00	14.1	0	0.0	0.00	0.0
	1986	1	0.7	700.00	4.7	0	0.0	0.00	0.0
	1989	2	1.1	1036.00	6.2	0	0.0	0.00	0.0
	TOTAL	43	2.1	23429.50	18.1	0	0.0	0.00	0.0
WHITE SUCKER	1977	1	0.7	275.00	1.8	0	0.0	0.00	0.0
	1981	1	1.1	325.00	2.0	0	0.0	0.00	0.0
	1983	1	2.0	250.00	1.7	0	0.0	0.00	0.0
	TOTAL	3	1.2	850.00	1.8	0	0.0	0.00	0.0
NORTHERN HOGSUCKER	1977	1	0.7	377.50	2.4	0	0.0	0.00	0.0
	1981	4	4.3	1685.00	10.2	0	0.0	0.00	0.0
	1982	2	5.9	1140.00	10.2	0	0.0	0.00	0.0
	1983	1	2.0	400.00	2.7	0	0.0	0.00	0.0
	1984	5	9.4	3400.00	34.4	0	0.0	0.00	0.0
	1985	8	2.8	3696.70	22.7	1	0.3	1.24	0.5
	1986	1	0.7	670.00	4.5	0	0.0	0.00	0.0
	1987	1	0.7	340.00	4.8	0	0.0	0.00	0.0
	1988	3	1.1	1340.50	6.7	0	0.0	0.00	0.0
	TOTAL	26	2.2	13049.70	10.3	1	0.1	1.24	0.1
SMALLMOUTH BUFFALO	1989	1	0.6	680.00	4.1	0	0.0	0.00	0.0
	TOTAL	1	0.6	680.00	4.1	0	0.0	0.00	0.0
SPOTTED SUCKER	1989	1	0.6	16.00	0.1	0	0.0	0.00	0.0
	TOTAL	1	0.6	16.00	0.1	0	0.0	0.00	0.0
SILVER REDHORSE	1979	1	1.9	1505.00	29.3	0	0.0	0.00	0.0
	1981	1	1.1	1410.00	8.5	0	0.0	0.00	0.0
	1982	2	5.9	1765.00	15.8	0	0.0	0.00	0.0
	1983	1	2.0	891.00	6.0	0	0.0	0.00	0.0
	1985	2	0.7	695.00	4.5	0	0.0	0.00	0.0
	1986	1	0.4	132.00	0.7	0	0.0	0.00	0.0
	1988	2	1.1	66.00	0.4	1	2.6	38.00	32.8
	TOTAL	11	1.0	6468.68	5.6	1	0.1	38.00	3.4
RIVER REDHORSE	1977	1	1.4	63.00	0.4	0	0.0	0.00	0.0
	1978	1	1.2	165.00	2.1	0	0.0	0.00	0.0
	1981	4	4.3	5325.00	32.2	0	0.0	0.00	0.0
	1986	4	2.9	88.00	0.6	0	0.0	0.00	0.0
	1988	1	0.4	4.49	0.0	0	0.0	0.00	0.0
	1989	1	0.6	2381.00	14.2	0	0.0	0.00	0.0
	TOTAL	12	1.4	8026.49	8.7	0	0.0	0.00	0.0
BLACK REDHORSE	1983	1	1.0	450.00	3.0	0	0.0	0.00	0.0
	1985	2	0.7	4.39	0.0	0	0.0	0.00	0.0
	TOTAL	3	0.9	454.39	1.5	0	0.0	0.00	0.0
GOLDEN REDHORSE	1977	5	6.2	1394.00	8.9	0	0.0	0.00	0.0
	1978	1	1.2	830.00	10.3	1	0.3	1.34	0.3
	1979	4	7.6	90.00	1.9	0	0.0	0.00	0.0
	1981	3	3.2	629.00	3.8	0	0.0	0.00	0.0
	1982	3	8.8	700.00	4.3	0	0.0	0.00	0.0
	1984	2	3.8	1355.00	13.7	0	0.0	0.00	0.0
	1985	25	8.8	1028.45	6.3	26	6.5	28.48	10.9
	1986	13	9.4	3211.03	21.4	0	0.0	0.00	0.0
	1987	3	2.0	130.65	1.9	0	0.0	0.00	0.0
	1988	8	3.0	2667.15	13.2	0	0.0	0.00	0.0
	1989	20	11.2	1527.27	21.1	0	0.0	0.00	0.0
TOTAL	87	6.2	15570.55	11.0	27	1.5	29.82	1.4	114

APPENDIX D-5 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3R OF THE BRAINWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES	---ELECTROFISHING---				-----SEINING-----				-----TOTAL-----				
	NO.	END.	WT(G)	SWT	NO.	END.	WT(G)	SWT	NO.	END.	WT(G)	SWT	
SHORTHEAD REDHORSE	1977	4	4.8	1525.50	9.7	0	0.0	0.00	0.0	4	0.5	1525.50	9.5
	1981	6	8.4	1623.00	9.8	0	0.0	0.00	0.0	6	5.2	1623.00	9.7
	1985	13	4.6	22.42	0.1	6	1.5	7.94	3.0	19	2.8	30.36	0.2
	1986	2	1.4	40.42	0.3	0	0.0	0.00	0.0	2	1.1	40.42	0.3
	1988	6	2.3	886.93	4.4	0	0.0	0.00	0.0	6	1.8	886.93	4.3
	TOTAL	31	3.6	4098.27	4.9	6	0.5	7.94	0.6	37	1.8	4106.21	4.8
UNIDENTIFIED REDHORSE	1977	3	4.1	8.70	0.1	3	0.5	5.45	1.3	6	0.8	15.15	0.1
	1978	1	1.2	0.66	0.0	6	2.0	5.19	1.1	7	1.9	5.85	0.1
	1979	1	1.9	0.92	0.0	0	0.0	0.00	0.0	1	0.5	0.92	0.0
	1983	2	4.0	1.48	0.0	0	0.0	0.00	0.0	2	2.5	1.48	0.0
	TOTAL	7	2.7	12.76	0.0	9	0.8	10.64	1.0	16	1.2	23.40	0.1
CHANNEL CATFISH	1977	1	0.7	300.00	1.9	0	0.0	0.00	0.0	1	0.1	300.00	1.9
	1985	1	0.4	2110.00	12.9	0	0.0	0.00	0.0	1	0.1	2110.00	12.7
	1986	1	0.7	4082.00	27.2	0	0.0	0.00	0.0	1	0.6	4082.00	27.1
	TOTAL	3	0.5	6492.00	13.8	0	0.0	0.00	0.0	3	0.2	6492.00	13.6
STONECAT	1977	1	1.4	24.50	0.2	0	0.0	0.00	0.0	1	0.1	24.50	0.2
	1984	3	5.7	22.98	0.2	0	0.0	0.00	0.0	3	3.1	22.98	0.2
	TOTAL	4	3.2	47.48	0.2	0	0.0	0.00	0.0	4	0.5	47.48	0.2
BLACKSTRIPED TOPMINNOW	1977	0	0.0	0.00	0.0	1	0.2	0.62	0.1	1	0.1	0.62	0.0
	1978	0	0.0	0.00	0.0	1	0.3	0.26	0.1	1	0.3	0.26	0.0
	1986	0	0.0	0.00	0.0	1	2.4	0.21	0.6	1	0.6	0.21	0.0
	1987	1	0.7	0.28	0.0	0	0.0	0.00	0.0	1	0.4	0.28	0.0
	1989	0	0.0	0.00	0.0	1	2.6	0.22	0.2	1	0.5	0.22	0.0
	TOTAL	1	0.2	0.28	0.0	4	0.6	1.31	0.1	5	0.3	1.57	0.0
BROOK SILVERSID	1977	0	0.0	0.00	0.0	10	1.6	6.20	1.5	10	1.4	6.20	0.0
	1985	1	0.4	0.52	0.0	2	0.5	0.39	0.1	3	0.4	0.91	0.0
	1986	3	2.2	5.67	0.0	2	4.6	3.17	8.4	5	2.8	9.04	0.1
	1987	0	0.0	0.00	0.0	2	2.7	0.80	0.6	2	0.9	0.80	0.0
	1988	2	0.8	1.82	0.0	0	0.0	0.00	0.0	2	0.6	1.82	0.0
	1989	3	1.7	2.98	0.0	4	10.3	2.05	1.8	7	3.2	5.03	0.0
	TOTAL	9	0.8	11.19	0.0	20	1.8	12.61	0.9	29	1.2	23.80	0.0
ROCK BASS	1977	4	4.8	186.22	1.2	7	1.1	11.88	2.8	11	1.5	198.10	1.2
	1978	2	1.4	18.78	0.2	0	0.0	0.00	0.0	2	0.5	18.78	0.2
	1979	0	0.0	0.00	0.0	0	0.0	0.00	0.0	0	0.0	0.00	0.0
	1981	8	8.5	849.00	5.1	0	0.0	0.00	0.0	8	7.0	849.00	5.1
	1982	2	5.9	192.00	1.7	0	0.0	0.00	0.0	2	5.3	192.00	1.7
	1983	2	4.0	122.00	0.8	0	0.0	0.00	0.0	2	2.6	122.00	0.8
	1984	1	1.9	205.00	2.1	0	0.0	0.00	0.0	1	1.0	205.00	2.1
	1985	16	5.6	635.87	3.9	1	0.3	0.49	0.2	17	2.5	636.36	3.8
	1986	7	5.0	661.00	4.4	0	0.0	0.00	0.0	7	3.9	661.00	4.4
	1987	4	2.7	225.00	3.2	0	0.0	0.00	0.0	4	1.8	225.00	3.1
	1988	5	1.9	458.00	2.3	5	8.9	12.31	2.7	10	3.0	470.31	2.3
	1989	24	13.4	1936.00	11.6	0	0.0	0.00	0.0	24	11.0	1936.00	11.5
	TOTAL	69	5.5	5733.18	3.7	13	0.7	24.74	1.1	83	2.8	5777.92	3.6
GREEN SUNFISH	1977	0	0.0	0.00	0.0	1	0.2	0.46	0.1	1	0.1	0.46	0.0
	1978	1	1.2	7.00	0.1	0	0.0	0.00	0.0	1	0.3	7.00	0.1
	1979	3	5.6	26.00	0.5	0	0.0	0.00	0.0	3	1.5	26.00	0.5
	1981	31	33.0	652.00	3.9	1	4.8	1.70	1.5	32	27.6	653.70	3.9
	1982	12	35.3	298.00	2.7	0	0.0	0.00	0.0	12	31.6	298.00	2.7
	1983	1	2.0	27.00	0.2	0	0.0	0.00	0.0	1	1.3	27.00	0.2
	1984	11	24.5	482.60	4.9	0	0.0	0.00	0.0	11	13.4	482.60	4.9
	1985	28	9.9	1148.87	7.0	0	0.0	0.00	0.0	28	4.1	1148.87	6.9
	1986	27	19.4	603.20	4.0	0	0.0	0.00	0.0	27	14.9	603.20	4.0
	1987	5	3.3	90.15	1.3	0	0.0	0.00	0.0	5	2.2	90.15	1.3
	1988	6	2.3	163.78	0.8	3	4.2	59.37	12.7	9	2.7	223.11	1.1
	1989	5	2.8	28.83	0.2	0	0.0	0.00	0.0	5	2.3	28.83	0.2
	TOTAL	132	9.1	3525.39	2.3	5	0.3	61.53	2.8	137	4.2	3586.92	2.3
PUMPKINSEED	1981	1	1.1	45.00	0.3	0	0.0	0.00	0.0	1	0.9	45.00	0.3
	TOTAL	1	1.1	45.00	0.3	0	0.0	0.00	0.0	1	0.9	45.00	0.3
ORANGESPOTTED SUNFISH	1977	0	0.0	0.00	0.0	24	3.7	7.42	1.7	24	3.4	7.42	0.0
	1981	8	8.5	31.00	0.2	0	0.0	0.00	0.0	8	7.0	31.00	0.2
	1983	3	6.0	53.00	0.4	0	0.0	0.00	0.0	3	3.9	53.00	0.4
	1985	13	6.3	230.10	1.4	0	0.0	0.00	0.0	13	2.8	230.10	1.4
	1987	2	1.3	24.80	0.4	0	0.0	0.00	0.0	2	0.9	24.80	0.3
	1988	0	0.0	0.00	0.0	1	1.4	0.09	0.0	1	0.3	0.09	0.0
	1989	3	1.7	46.00	0.3	0	0.0	0.00	0.0	3	1.4	46.00	0.3
	TOTAL	34	3.1	384.90	0.4	25	2.0	7.51	0.5	59	2.5	392.41	0.4
BLUEGILL	1977	0	0.0	0.00	0.0	5	0.8	1.64	0.4	5	0.7	1.64	0.0
	1978	1	1.2	10.00	0.1	1	0.3	6.96	1.5	2	0.5	16.96	0.2
	1981	1	1.1	2.00	0.0	0	0.0	0.00	0.0	1	0.9	2.00	0.0
	1982	1	2.9	2.00	0.5	0	0.0	0.00	0.0	1	2.6	2.00	0.5
	1983	3	6.0	181.00	1.2	0	0.0	0.00	0.0	3	3.9	181.00	1.2
	1984	4	7.5	306.00	3.1	0	0.0	0.00	0.0	4	4.1	306.00	3.1
	1985	8	2.8	607.00	3.7	0	0.0	0.00	0.0	8	1.2	607.00	3.7
	1986	6	4.3	199.00	1.3	0	0.0	0.00	0.0	6	1.3	199.00	1.3
	1987	5	3.3	135.00	1.9	0	0.0	0.00	0.0	5	2.2	135.00	1.9
	1989	9	5.0	232.05	1.4	0	0.0	0.00	0.0	9	4.1	232.05	1.4
	TOTAL	36	3.3	1724.05	1.3	6	0.4	8.60	0.5	44	1.6	1732.65	1.3
CENTRAL LONGEAR SUNFISH	1977	1	1.4	8.25	0.1	0	0.0	0.00	0.0	1	0.1	8.25	0.1
	TOTAL	1	1.4	8.25	0.1	0	0.0	0.00	0.0	1	0.1	8.25	0.1
LONGEAR SUNFISH	1977	3	4.1	51.00	0.3	6	0.9	2.27	0.5	9	1.3	53.27	0.3
	1978	8	9.8	108.25	1.4	0	0.0	0.00	0.0	8	2.1	108.25	1.3
	1979	8	14.8	151.53	3.0	0	0.0	0.00	0.0	8	4.1	151.53	2.9
	1981	2	2.1	46.00	0.4	0	0.0	0.00	0.0	2	1.7	46.00	0.3
	1982	3	8.8	90.00	0.8	0	0.0	0.00	0.0	3	7.9	90.00	0.8
	1983	1	2.0	6.00	0.0	0	0.0	0.00	0.0	1	1.3	6.00	0.0
	1985	32	11.3	284.96	1.8	2	0.5	16.36	6.3	34	5.0	301.32	1.8
	1986	8	5.8	67.77	0.5	0	0.0	0.00	0.0	8	4.4	67.77	0.5
	1987	22	14.7	326.44	4.7	1	1.4	3.44	2.5	23	10.3	329.88	4.6
	1988	23	8.7	474.69	2.4	14	19.4	164.72	35.3	37	11.0	639.41	3.1
	1989	39	21.8	786.87	4.7	3	7.7	49.73	42.9	42	19.3	834.40	5.0
	TOTAL	149	10.6	2409.91	1.6	26	1.5	236.52	10.9	175	5.5	2646.43	1.6
GREEN SUNFISH X BLUEGILL	1982	1	2.9	60.00	0.5	0	0.0	0.00	0.0	1	2.6	60.00	0.5
	1984	1	1.9	118.00	1.2	0	0.0	0.00	0.0	1	1.0	118.00	1.2
	TOTAL	2	2.3	178.00	0.8	0	0.0	0.00	0.0	2	1.5	178.00	0.8

APPENDIX D-5 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3R OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES		ELECTROFISHING				SEINING				TOTAL				
		NO.	SNOW.	WT(G)	SWT	NO.	SNOW.	WT(G)	SWT	NO.	SNOW.	WT(G)	SWT	
GREEN X LONGEARS SUNFISH	1981	1	1.1	14.00	0.1	0	0.0	0.00	0.0	1	0.1	14.00	0.1	
	TOTAL	1	1.1	14.00	0.1	0	0.0	0.00	0.0	1	0.1	14.00	0.1	
UNIDENTIFIED SUNFISH	1979	0	0.0	0.00	0.0	2	1.4	0.21	0.2	2	1.0	0.21	0.0	
	TOTAL	0	0.0	0.00	0.0	2	1.4	0.21	0.2	2	1.0	0.21	0.0	
SMALLMOUTH BASS	1977	17	23.4	3966.92	25.2	0	1.0	0.00	0.0	17	2.4	3966.92	24.6	
	1978	10	12.2	1319.43	16.4	0	0.0	0.00	0.0	10	2.7	1319.43	15.5	
	1979	9	16.7	843.55	16.4	1	0.7	2.59	2.2	10	3.1	846.14	16.1	
	1981	5	5.3	620.00	3.7	0	0.0	0.00	0.0	5	4.3	620.00	3.7	
	1982	1	2.9	215.00	1.9	0	0.0	0.00	0.0	1	2.6	215.00	1.9	
	1983	5	10.0	542.00	3.6	0	0.0	0.00	0.0	5	6.5	542.00	3.6	
	1984	8	15.1	396.00	6.0	0	0.0	0.00	0.0	8	8.2	396.00	4.0	
	1985	26	9.2	1591.90	9.8	2	0.5	3.85	1.5	28	4.1	1595.75	9.6	
	1986	12	8.6	2018.00	13.5	0	0.0	0.00	0.0	12	6.6	2018.00	13.4	
	1987	7	4.7	1304.09	18.4	2	2.7	32.37	37.5	9	4.0	1356.46	18.9	
*	1988	60	22.6	3086.74	15.3	30	41.7	199.12	62.7	90	26.7	3285.86	75.9	
	1989	33	18.4	3434.50	20.5	1	2.6	0.33	0.1	34	15.6	3434.83	20.4	
	TOTAL	193	13.3	19339.13	12.3	36	2.0	258.26	11.7	229	7.0	19597.39	12.3	
	LARGEMOUTH BASS	1977	1	0.7	201.00	1.3	0	0.0	0.00	0.0	1	0.1	201.00	1.2
		1978	4	11.0	46.83	0.6	2	0	0.35	1.7	11	2.9	55.18	0.6
1979		1	1.9	3.88	0.1	0	0.0	0.00	0.0	1	0.5	3.88	0.1	
1982		1	2.9	2.00	0.0	0	0.0	0.00	0.0	1	2.6	2.00	0.0	
1984		2	3.8	195.00	2.0	1	2.3	2.32	6.6	3	3.1	197.32	2.0	
1985		9	3.2	677.06	4.1	0	0.0	0.00	0.0	9	1.3	677.06	4.1	
1986		6	4.3	1095.62	7.3	0	0.0	0.00	0.0	6	3.3	1095.62	7.3	
1987		2	1.3	291.48	4.2	0	0.0	0.00	0.0	2	0.9	291.48	4.1	
1988		2	0.8	1005.33	5.0	7	9.6	4.37	0.9	4	1.2	1005.20	4.9	
1989		5	9.8	318.56	1.0	0	0.0	0.00	0.0	5	2.3	318.56	1.9	
TOTAL	38	2.9	3632.30	3.1	5	0.3	15.04	0.7	43	1.4	3887.34	3.0		
WHITE CRAPPIE	1977	1	0.7	65.00	0.4	6	12.9	3.77	0.8	7	0.9	68.36	0.4	
	1978	0	0.0	0.00	0.0	1	0.2	1.53	0.1	1	0.2	1.53	0.0	
	1979	2	3.7	190.00	3.7	3	2.1	1.32	1.7	5	2.5	191.92	3.7	
	1981	3	3.2	316.00	1.9	0	0.0	0.00	0.0	3	2.6	316.00	1.9	
	1984	1	1.9	25.00	0.4	0	0.0	0.00	0.0	1	1.0	25.00	0.4	
	1985	1	0.4	121.00	0.7	0	0.0	0.00	0.0	1	0.1	121.00	0.7	
TOTAL	8	1.2	777.00	1.0	10	0.6	6.81	0.5	18	0.8	733.81	1.0		
BLACK CRAPPIE	1977	1	0.7	64.00	0.4	12	1.9	40.54	9.6	13	1.8	104.54	0.6	
	1978	0	0.0	0.00	0.0	5	1.7	7.63	1.6	5	1.3	7.63	0.1	
	1979	0	0.0	0.00	0.0	1	0.7	0.04	0.0	1	0.5	0.04	0.0	
	1981	1	1.1	15.00	0.1	1	4.8	80.00	69.1	2	1.1	95.00	0.6	
	1987	1	0.7	30.00	0.4	0	0.0	0.00	0.0	1	0.4	30.00	0.4	
	TOTAL	3	0.6	109.00	0.2	19	1.6	129.21	10.1	22	1.3	238.21	0.4	
JOHNNY DARTER	1978	0	0.0	0.00	0.0	10	3.4	3.89	0.8	10	2.7	3.89	0.0	
	1985	0	0.0	0.00	0.0	4	1.0	2.30	0.9	4	0.6	2.30	0.0	
	1985	0	0.0	0.00	0.0	1	2.4	0.24	0.6	1	0.6	0.24	0.0	
	1987	0	0.0	0.00	0.0	2	2.7	0.61	0.4	2	0.9	0.61	0.0	
	1988	2	0.8	1.89	0.0	5	6.9	2.19	0.6	7	2.1	4.68	0.0	
TOTAL	2	0.2	1.89	0.0	22	13.5	9.63	0.7	24	1.3	11.72	0.0		
YELLOW PERCH	1978	1	1.2	18.00	0.2	0	0.0	0.00	0.0	1	0.3	18.00	0.2	
	TOTAL	1	1.2	18.00	0.2	0	0.0	0.00	0.0	1	0.3	18.00	0.2	
LOG PERCH	1986	12	4.5	30.96	0.2	2	2.8	4.13	0.9	14	4.2	35.09	0.2	
	1989	2	1.1	10.97	0.1	0	0.0	0.00	0.0	2	0.9	10.97	0.1	
TOTAL	14	3.2	41.93	0.1	2	1.8	4.13	0.7	16	2.9	46.06	0.1		
BLACKSIDED DARTER	1981	0	0.0	0.00	0.0	1	4.6	0.39	0.3	1	0.9	0.39	0.0	
	1985	2	0.7	2.41	0.0	4	1.0	3.38	1.4	6	0.9	6.09	0.0	
	1985	1	0.4	1.53	0.0	1	1.4	2.29	0.5	2	0.8	3.82	0.0	
	TOTAL	3	0.5	3.94	0.0	6	1.2	6.06	0.8	9	0.8	10.30	0.0	
SLENDERHEAD DARTER	1985	0	0.0	0.00	0.0	2	0.5	2.36	0.9	2	0.3	2.36	0.0	
	1988	1	0.4	1.23	0.0	0	0.0	0.00	0.0	1	0.3	1.23	0.0	
	1989	3	1.7	8.80	0.1	0	0.0	0.00	0.0	3	1.4	8.80	0.1	
	TOTAL	4	0.5	10.03	0.0	2	0.4	2.36	0.3	6	0.5	12.39	0.0	
HALLEYE	1977	1	0.7	20.00	0.1	0	0.0	0.00	0.0	1	0.1	20.00	0.1	
	1981	1	1.1	201.00	1.7	0	0.0	0.00	0.0	1	0.9	201.00	1.7	
	1985	1	0.4	790.00	4.8	0	0.0	0.00	0.0	1	0.1	790.00	4.8	
	TOTAL	3	0.6	1091.00	2.2	0	0.0	0.00	0.0	3	0.2	1091.00	2.2	
FRESHWATER DRUM	1987	1	0.7	640.00	9.1	0	0.0	0.00	0.0	1	0.4	640.00	8.9	
	TOTAL	1	0.7	640.00	9.1	0	0.0	0.00	0.0	1	0.4	640.00	8.9	

APPENDIX D-6. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4L OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES	-----ELECTROFISHING-----				-----SEINING-----				-----TOTAL-----				
	NO.	SNOW.	WT(G)	SWT	NO.	SNOW.	WT(G)	SWT	NO.	SNOW.	WT(G)	SWT	
LONGNOSE GAR	1978	1	0.6	17.00	0.2	0	0.0	0.00	0.0	1	0.5	17.00	0.2
	1981	1	1.0	4.00	0.0	0	0.0	0.00	0.0	1	0.6	4.00	0.0
	1982	1	1.9	2.00	0.0	0	0.0	0.00	0.0	1	1.4	2.00	0.0
	1985	0	0.0	0.00	0.0	3	1.6	80.00	30.7	3	0.8	80.00	0.7
	1988	1	0.4	36.00	0.1	0	0.0	0.00	0.0	1	0.3	36.00	0.1
	1989	1	0.4	184.00	2.3	1	0.5	4.02	3.6	2	0.6	188.02	2.4
TOTAL	5	0.6	243.00	0.3	4	0.7	84.02	8.2	9	0.6	327.02	0.4	
GIZZARD SHAD	1977	2	1.3	22.70	0.1	4	0.4	3.86	0.5	6	0.5	26.56	0.1
	1978	4	2.3	44.00	0.4	0	0.0	0.00	0.0	4	1.8	44.00	0.4
	1979	0	0.0	0.00	0.0	1	1.4	0.54	0.4	1	1.7	0.54	0.0
	1984	2	2.9	1370.00	13.0	0	0.0	0.00	0.0	2	0.6	1370.00	12.9
	1987	3	1.8	575.00	5.7	0	0.0	0.00	0.0	3	1.2	575.00	5.7
	1988	5	2.2	2120.75	8.8	0	0.0	0.00	0.0	5	1.8	2120.75	8.7
TOTAL	16	1.9	4132.45	5.1	5	0.3	4.40	0.3	21	0.8	4136.85	5.0	

APPENDIX D-6 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4L OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	SNOW.	WT(G)	SWT	NO.	SNOW.	WT(G)	SWT	NO.	SNOW.	WT(G)	SWT
GRASS PICKEREL	1977	1	0.4	7.00	0.0	3	0.3	44.32	5.5	4	0.3	51.32	0.3
	1978	4	2.3	137.00	1.3	2	4.4	9.00	11.9	6	2.8	146.00	1.4
	1979	1	1.3	9.00	0.1	0	0.0	0.00	0.0	1	0.7	9.00	0.1
	1981	3	0.1	34.00	0.2	2	7.4	18.88	14.1	5	4.0	52.88	0.3
	1983	0	0.0	0.00	0.0	2	10.0	10.82	10.4	2	2.7	10.82	0.1
	1974	1	1.5	2.91	0.0	0	0.0	0.00	0.0	1	0.3	2.91	0.0
	1985	1	1.0	93.00	0.9	0	0.0	0.00	0.0	1	0.3	93.00	0.8
	1986	1	0.5	42.00	0.2	0	0.0	0.00	0.0	1	0.3	42.00	0.2
	1987	1	0.0	38.00	0.4	0	0.0	0.00	0.0	1	0.4	38.00	0.4
	1989	2	0.9	3.79	0.0	1	0.9	6.02	5.4	3	0.9	9.81	0.1
TOTAL	15	1.1	366.70	0.3	10	0.5	89.04	3.8	25	0.7	455.74	0.4	
NORTHERN PIKE	1977	1	0.8	283.00	1.6	0	0.0	0.00	0.0	1	0.1	283.00	1.6
	1978	1	0.6	65.00	0.6	0	0.0	0.00	0.0	1	0.5	65.00	0.6
	1982	1	1.9	350.00	2.9	0	0.0	0.00	0.0	1	1.4	350.00	2.9
	TOTAL	3	0.9	698.00	1.7	0	0.0	0.00	0.0	3	0.2	698.00	1.7
CENTRAL STONEWALLER	1977	1	0.4	1.39	0.0	0	0.0	0.00	0.0	1	0.0	1.39	0.0
	TOTAL	1	0.4	1.39	0.0	0	0.0	0.00	0.0	1	0.0	1.39	0.0
CARP	1977	2	1.3	1547.50	9.0	0	0.0	0.00	0.0	2	0.1	1547.50	8.6
	1978	2	1.2	3125.00	29.2	0	0.0	0.00	0.0	2	0.9	3125.00	29.0
	1979	1	1.3	735.00	9.2	0	0.0	0.00	0.0	1	0.7	735.00	9.1
	1981	9	9.2	5876.00	35.0	0	0.0	0.00	0.0	9	7.2	5876.00	34.7
	1982	3	5.8	2930.00	24.3	0	0.0	0.00	0.0	3	4.3	2930.00	24.2
	1983	3	5.6	4690.00	38.6	0	0.0	0.00	0.0	3	4.3	4690.00	38.6
	1984	1	1.5	995.00	3.6	0	0.0	0.00	0.0	1	0.3	995.00	3.6
	1986	13	5.7	813.00	3.4	0	0.0	0.00	0.0	13	4.2	813.00	3.1
	1989	5	2.1	2650.00	36.2	0	0.0	0.00	0.0	5	1.4	2650.00	35.0
	TOTAL	39	3.5	23161.50	19.3	0	0.0	0.00	0.0	39	1.4	23161.50	19.0
HORNYHEAD CHUB	1977	0	0.0	0.00	0.0	1	0.1	0.44	0.1	1	0.1	0.44	0.0
	1979	0	0.0	0.00	0.0	1	1.4	0.49	0.4	1	0.7	0.49	0.0
	1985	0	0.0	0.00	0.0	1	0.3	0.30	0.1	1	0.3	0.30	0.0
	1989	1	0.4	21.00	0.3	0	0.0	0.00	0.0	1	0.3	21.00	0.3
	TOTAL	1	0.2	21.00	0.0	3	0.2	1.23	0.1	4	0.2	22.23	0.0
GOLDEN SHINER	1984	0	0.0	0.00	0.0	1	0.3	0.52	0.7	1	0.3	0.52	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.3	0.52	0.7	1	0.3	0.52	0.0
EMERALD SHINER	1977	0	0.0	0.00	0.0	1	0.1	0.32	0.0	1	0.1	0.32	0.0
	1983	1	1.9	2.84	0.0	0	0.0	0.00	0.0	1	1.4	2.84	0.0
	1985	0	0.0	0.00	0.0	2	0.7	0.19	0.1	2	0.5	0.19	0.0
	TOTAL	1	0.4	2.84	0.0	3	0.2	0.51	0.0	4	0.2	3.35	0.0
STRIPED SHINER	1977	0	0.0	0.00	0.0	21	2.0	12.68	1.6	21	1.8	12.68	0.1
	1978	0	0.0	0.00	0.0	14	3.1	5.61	7.4	14	6.4	5.61	0.1
	1979	0	0.0	0.00	0.0	2	2.8	0.41	0.3	2	1.3	0.41	0.0
	1982	0	0.0	0.00	0.0	10	58.8	3.65	45.6	10	14.5	3.65	0.0
	1984	0	0.0	0.00	0.0	117	40.9	14.68	45.9	117	33.1	14.68	0.3
	1985	0	0.0	0.00	0.0	120	41.2	54.29	20.8	120	30.8	54.29	0.5
	1986	0	0.0	0.00	0.0	1	0.6	0.16	0.0	1	0.3	0.16	0.0
	1987	1	0.6	0.55	0.0	6	6.6	2.69	2.6	7	2.7	3.24	0.0
	1988	8	3.5	18.94	0.1	1	1.3	0.38	0.1	9	2.9	19.32	0.1
	1989	12	5.1	35.14	0.4	3	2.7	2.98	2.4	15	4.3	38.12	0.5
TOTAL	21	1.5	54.63	0.0	293	13.2	117.53	4.6	316	8.7	172.16	0.1	
BIGMOUTH SHINER	1977	0	0.0	0.00	0.0	1	0.1	0.95	0.1	1	0.1	0.95	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.1	0.95	0.1	1	0.1	0.95	0.0
RED SHINER	1977	0	0.0	0.00	0.0	1	0.1	2.16	0.3	1	0.1	2.16	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.1	2.16	0.3	1	0.1	2.16	0.0
ROSYFACE CHINER	1977	2	1.3	2.15	0.0	210	18.7	82.24	10.1	212	17.8	84.39	0.5
	1979	0	0.0	0.00	0.0	21	29.6	6.55	5.2	21	13.9	6.55	0.1
	1981	1	1.0	1.14	0.0	1	3.7	0.57	0.4	2	1.6	1.71	0.0
	1982	0	0.0	0.00	0.0	2	11.6	0.72	9.0	2	2.9	0.72	0.0
	1984	0	0.0	0.00	0.0	135	47.2	22.33	29.6	135	38.1	22.33	0.2
	1985	0	0.0	0.00	0.0	16	5.3	4.81	1.8	16	4.1	4.81	0.0
	1987	1	0.6	0.65	0.0	0	0.0	0.00	0.0	1	0.4	0.65	0.0
	1988	1	0.4	0.80	0.0	0	0.0	0.00	0.0	1	0.3	0.80	0.0
	1989	0	0.0	0.00	0.0	9	8.7	3.40	3.0	9	2.6	3.40	0.0
	TOTAL	5	0.4	4.74	0.0	394	19.3	120.92	5.8	399	12.5	125.66	0.1
SPOTFIN SHINER	1977	6	4.6	17.03	0.1	215	00.2	150.23	18.5	221	18.6	168.15	0.9
	1979	1	1.3	3.51	0.0	0	0.0	0.00	0.0	1	0.7	3.51	0.0
	1981	0	0.0	0.00	0.0	4	14.8	4.48	3.3	4	3.2	4.48	0.0
	1983	3	5.6	7.60	0.1	4	20.0	4.11	4.0	7	9.5	11.71	0.1
	1984	1	1.5	3.89	0.0	5	1.7	5.14	6.8	6	1.7	9.03	0.1
	1985	0	0.0	0.00	0.0	36	12.4	9.54	3.7	36	9.3	9.54	0.1
	1986	7	3.6	19.01	0.1	4	2.3	3.17	0.6	11	3.0	22.18	0.1
	1987	9	5.5	10.83	0.1	52	57.1	9.95	9.5	61	23.8	20.78	0.2
	1988	0	0.0	0.00	0.0	2	2.9	0.34	0.1	2	0.7	0.34	0.0
	1989	2	0.9	15.60	0.2	8	7.1	1.72	1.5	10	2.9	17.32	0.2
TOTAL	29	2.1	78.36	0.1	330	14.9	188.68	7.0	359	10.1	267.04	0.2	
SAND SHINER	1977	0	0.0	0.00	0.0	18	1.7	5.87	0.7	18	1.5	5.87	0.0
	1984	0	0.0	0.00	0.0	5	1.7	3.92	5.2	5	1.4	3.92	0.0
	1985	0	0.0	0.00	0.0	1	0.3	0.31	0.1	1	0.3	0.31	0.0
	1986	0	0.0	0.00	0.0	1	0.6	0.67	0.1	1	0.3	0.67	0.0
TOTAL	0	0.0	0.00	0.0	25	1.4	10.77	0.6	25	1.1	10.77	0.0	
REDFIN SHINER	1977	0	0.0	0.00	0.0	116	10.9	20.95	2.6	116	9.8	20.95	0.1
	1979	0	0.0	0.00	0.0	1	1.4	0.72	0.5	1	0.7	0.72	0.0
	1981	0	0.0	0.00	0.0	7	25.9	4.23	3.2	7	5.6	4.23	0.0
	1982	0	0.0	0.00	0.0	1	5.9	0.92	1.5	1	1.4	0.92	0.0
	1985	0	0.0	0.00	0.0	2	0.7	2.52	1.0	2	0.5	2.52	0.0
	1986	1	0.5	1.00	0.0	0	0.0	0.00	0.0	1	0.3	1.00	0.0
	1987	2	1.2	1.61	0.0	0	0.0	0.00	0.0	2	0.8	1.61	0.0
	1989	1	0.4	1.49	0.0	5	4.5	4.66	4.1	6	1.7	6.15	0.1
	TOTAL	4	0.4	4.10	0.0	132	7.1	34.00	1.6	138	4.7	38.10	0.0
	MIMIC SHINER	1986	0	0.0	0.00	0.0	2	1.1	0.75	0.1	2	0.5	0.75
TOTAL		0	0.0	0.00	0.0	2	1.1	0.75	0.1	2	0.5	0.75	0.0
BLUNTNOST MINNOW	1977	2	1.7	4.99	0.0	71	6.7	88.79	6.0	73	6.2	93.78	0.3
	1978	11	6.4	24.49	0.2	24	53.8	38.03	50.2	35	16.1	62.52	0.6
	1979	1	1.3	2.06	0.0	14	19.7	11.04	8.4	15	9.9	13.10	0.2
	1981	3	3.1	16.43	0.1	2	1.4	0.83	0.6	5	4.0	17.26	0.

APPENDIX D-6 (CONT.), TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION AL OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES		ELECTROFISHING				SEINING				TOTAL				
		NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
BULLHEAD MINNOW	1977	3	2.5	12.10	0.1	7	0.7	2.57	0.1	10	0.8	14.67	0.1	
	1978	3	1.7	6.44	0.1	0	0.0	0.00	0.0	3	1.4	6.44	0.1	
	1979	1	1.3	4.00	0.1	0	0.0	0.00	0.0	1	0.7	4.00	0.0	
	1982	1	1.9	2.66	0.0	0	0.0	0.00	0.0	1	1.4	2.66	0.0	
	1983	0	0.0	0.00	0.0	2	10.0	0.30	0.3	2	2.7	0.30	0.0	
	1984	1	1.5	4.15	0.0	1	0.3	0.08	0.1	2	0.6	4.23	0.0	
	1985	2	2.0	6.21	0.1	0	0.0	0.00	0.0	2	0.5	6.21	0.1	
1986	0	0.0	0.00	0.0	2	1.1	0.03	0.0	2	0.5	0.03	0.0		
TOTAL	11	1.3	37.56	0.0	12	0.6	2.98	0.1	23	0.8	40.54	0.0		
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	254	23.8	18.82	2.3	254	21.4	18.82	0.1	
	1978	0	0.0	0.00	0.0	1	2.2	0.04	0.1	1	0.3	0.04	0.0	
	TOTAL	0	0.0	0.00	0.0	255	23.0	18.86	2.1	255	18.2	18.86	0.1	
QUILLBACK	1977	1	0.4	295.00	1.7	0	0.0	0.00	0.0	1	0.0	295.00	1.6	
	1978	2	1.2	1490.00	13.9	0	0.0	0.00	0.0	2	0.9	1490.00	13.8	
	1979	2	2.5	1085.00	13.6	0	0.0	0.00	0.0	2	1.3	1085.00	13.4	
	1982	3	5.8	1850.00	15.3	0	0.0	0.00	0.0	3	4.3	1850.00	15.1	
	1983	7	11.0	4530.00	35.4	0	0.0	0.00	0.0	7	9.5	4530.00	35.1	
	1984	3	4.4	1400.00	13.3	0	0.0	0.00	0.0	3	0.8	1400.00	13.2	
	1985	6	6.1	3645.00	33.4	0	0.0	0.00	0.0	6	1.5	3645.00	32.7	
	1986	5	2.6	3172.00	17.5	0	0.0	0.00	0.0	5	1.6	3172.00	17.0	
	1987	5	3.0	3800.00	38.0	0	0.0	0.00	0.0	5	2.0	3800.00	37.6	
	1988	2	0.9	1293.90	5.4	0	0.0	0.00	0.0	2	0.7	1293.90	5.3	
	TOTAL	36	2.9	22560.90	16.8	0	0.0	0.00	0.0	36	1.1	22560.90	16.5	
	WHITE SUCKER	1981	1	1.0	530.00	3.2	0	0.0	0.00	0.0	1	0.6	530.00	3.1
		1982	1	1.9	140.00	1.2	0	0.0	0.00	0.0	1	1.4	140.00	1.2
TOTAL		2	1.3	670.00	2.3	0	0.0	0.00	0.0	2	1.0	670.00	2.3	
NORTHERN HOGSUCKER	1986	1	0.5	490.00	2.7	0	0.0	0.00	0.0	1	0.3	490.00	2.6	
	1988	4	1.8	2105.20	8.8	0	0.0	0.00	0.0	4	1.3	2105.20	8.6	
	TOTAL	5	1.2	2595.20	6.2	0	0.0	0.00	0.0	5	0.7	2595.20	6.0	
SMALLMOUTH BUFFALO	1983	1	1.9	565.00	4.4	0	0.0	0.00	0.0	1	1.6	565.00	4.4	
	TOTAL	1	1.9	565.00	4.4	0	0.0	0.00	0.0	1	1.6	565.00	4.4	
BIGMOUTH BUFFALO	1982	1	1.9	470.00	3.9	0	0.0	0.00	0.0	1	1.4	470.00	3.9	
	TOTAL	1	1.9	470.00	3.9	0	0.0	0.00	0.0	1	1.4	470.00	3.9	
SILVER REDHORSE	1977	1	0.4	110.00	4.7	0	0.0	0.00	0.0	1	0.0	110.00	4.5	
	1978	2	1.2	101.00	0.9	0	0.0	0.00	0.0	2	0.9	101.00	0.9	
	1982	1	1.9	1100.00	9.1	0	0.0	0.00	0.0	1	1.4	1100.00	9.1	
	1984	2	2.9	1150.00	10.9	0	0.0	0.00	0.0	2	0.6	1150.00	10.8	
	1986	2	0.9	16.07	0.1	0	0.0	0.00	0.0	2	0.7	16.07	0.1	
	1989	2	0.9	65.00	0.8	0	0.0	0.00	0.0	2	0.6	65.00	0.8	
	TOTAL	10	1.1	3242.07	3.9	0	0.0	0.00	0.0	10	0.4	3242.07	3.9	
RIVER REDHORSE	1977	5	4.2	553.50	3.2	0	0.0	0.00	0.0	5	0.4	553.50	3.1	
	1981	1	1.0	230.00	1.4	0	0.0	0.00	0.0	1	0.8	230.00	1.4	
	1986	5	2.6	95.00	0.5	0	0.0	0.00	0.0	5	1.4	95.00	0.5	
	TOTAL	11	2.7	878.50	1.7	0	0.0	0.00	0.0	11	0.7	878.50	1.6	
BLACK REDHORSE	1983	1	1.9	400.00	3.1	0	0.0	0.00	0.0	1	1.4	400.00	3.1	
	TOTAL	1	1.9	400.00	3.1	0	0.0	0.00	0.0	1	1.4	400.00	3.1	
GOLDEN REDHORSE	1977	21	17.5	6782.50	39.3	0	0.0	0.00	0.0	21	1.6	6782.50	37.5	
	1978	10	5.8	1956.05	18.3	0	0.0	0.00	0.0	10	4.4	1956.05	18.2	
	1979	10	12.5	1960.00	24.6	0	0.0	0.00	0.0	10	6.6	1960.00	24.2	
	1981	9	9.2	2206.00	13.1	0	0.0	0.00	0.0	9	7.2	2206.00	13.0	
	1982	5	9.6	2110.00	17.5	0	0.0	0.00	0.0	5	7.2	2110.00	17.5	
	1983	3	5.6	1540.00	12.0	0	0.0	0.00	0.0	3	4.1	1540.00	11.9	
	1984	12	17.6	3690.00	35.0	0	0.0	0.00	0.0	12	3.4	3690.00	34.8	
	1985	3	3.1	1391.00	12.8	0	0.0	0.00	0.0	3	0.8	1391.00	12.5	
	1986	20	10.4	7818.46	43.2	0	0.0	0.00	0.0	20	5.4	7818.46	42.0	
	1987	4	2.4	1139.00	11.4	0	0.0	0.00	0.0	4	1.6	1139.00	11.3	
	1988	24	10.6	12109.90	50.8	0	0.0	0.00	0.0	24	7.8	12109.90	49.5	
	1989	5	2.1	972.17	12.4	0	0.0	0.00	0.0	5	1.4	972.17	12.2	
	TOTAL	126	8.1	43675.08	27.5	0	0.0	0.00	0.0	126	3.3	43675.08	27.0	
SHORTHORN REDHORSE	1977	8	6.7	2433.50	14.1	0	0.0	0.00	0.0	8	0.7	2433.50	13.5	
	1978	1	0.6	32.00	0.3	0	0.0	0.00	0.0	1	0.5	32.00	0.3	
	1979	2	2.5	964.00	12.1	0	0.0	0.00	0.0	2	1.3	964.00	11.9	
	1981	9	9.2	3797.00	22.6	0	0.0	0.00	0.0	9	7.2	3797.00	22.4	
	1982	1	1.9	360.00	3.0	0	0.0	0.00	0.0	1	1.4	360.00	3.0	
	1986	3	1.6	102.00	0.6	0	0.0	0.00	0.0	3	0.8	102.00	0.5	
	1988	1	0.4	408.00	1.7	0	0.0	0.00	0.0	1	0.3	408.00	1.7	
TOTAL	25	2.7	8096.50	7.6	0	0.0	0.00	0.0	25	1.0	8096.50	7.4		
UNIDENTIFIED REDHORSE	1977	2	1.7	7.16	0.0	3	0.3	5.71	0.7	5	0.4	12.87	0.1	
	1978	2	1.2	1.73	0.0	0	0.0	0.00	0.0	2	0.9	1.73	0.0	
	TOTAL	4	1.4	8.89	0.0	3	0.3	5.71	0.6	7	0.5	14.60	0.1	
YELLOW BULLHEAD	1979	1	1.3	170.00	2.1	0	0.0	0.00	0.0	1	0.7	170.00	2.1	
	1989	1	0.4	16.00	0.2	0	0.0	0.00	0.0	1	0.3	16.00	0.2	
	TOTAL	2	0.6	186.00	1.2	0	0.0	0.00	0.0	2	0.4	186.00	1.2	
CHANNEL CATFISH	1977	2	1.3	876.50	5.1	0	0.0	0.00	0.0	2	0.1	876.50	4.6	
	1979	1	1.3	605.00	7.6	0	0.0	0.00	0.0	1	0.7	605.00	7.5	
	TOTAL	3	1.3	1481.50	5.9	0	0.0	0.00	0.0	3	0.2	1481.50	5.7	
STONECAT	1977	1	0.4	12.50	0.1	0	0.0	0.00	0.0	1	0.0	12.50	0.1	
	1983	1	1.0	5.57	0.1	0	0.0	0.00	0.0	1	0.3	5.57	0.0	
	1988	1	0.4	16.00	0.1	0	0.0	0.00	0.0	1	0.3	16.00	0.1	
	TOTAL	3	0.6	34.07	0.1	0	0.0	0.00	0.0	3	0.1	34.07	0.1	
BLACKSTRIPED TOPMINNOW	1977	0	0.0	0.00	0.0	7	0.7	4.51	0.6	7	0.6	4.51	0.0	
	1979	0	0.0	0.00	0.0	1	1.4	0.26	0.2	1	0.7	0.26	0.0	
	1983	0	0.0	0.00	0.0	4	20.0	5.86	5.7	4	5.4	5.86	0.0	
	1986	0	0.0	0.00	0.0	2	0.7	1.66	2.2	2	0.6	1.66	0.0	
	1987	0	0.0	0.00	0.0	4	2.1	4.68	1.8	4	1.5	4.68	0.0	
	1988	0	0.0	0.00	0.0	10	11.0	2.94	2.8	10	3.9	2.94	0.0	
	1989	0	0.0	0.00	0.0	27	33.8	23.65	5.5	27	8.8	23.65	0.1	
	TOTAL	1	0.4	2.49	0.0	0	0.0	0.00	0.0	1	0.3	2.49	0.0	
	TOTAL	1	0.1	2.49	0.0	57	2.8	43.56	2.1	58	1.9	46.05	0.0	
BROOK SILVERSIDE	1977	5	2.5	3.26	0.0	55	5.2	25.39	3.2	58	4.9	29.25	0.2	
	1978	0	0.0	0.00	0.0	11	4.9	2.51	3.3	11	4.0	2.51	0.0	
	1983	0	0.0	0.00	0.0	17	5.8	5.49	2.1	17	4.4	5.49	0.0	
	1984	1	0.5	1.44	0.0	0	0.0	0.00	0.0	1	0.3	1.44	0.0	
	1987	1	0.6	0.63	0.0	2	2.2	0.64	0.6	3	1.2	1.27	0.0	
	1988	9	4.0	10.16	0.0	0	0.0	0.00	0.0	9	2.9	10.16	0.0	
	1989	2	0.9	1.00	0.0	50	44.6	13.18	11.7	52	15.0	14.18	0.2	
	TOTAL	16	1.4	16.49	0.0	138	6.6	47.81	2.0	154	4.8	64.30	0.1	

APPENDIX D-6 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4L OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND 22 /AUGUST 1989.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	SNOW.	WT(G)	SWT	NO.	SNOW.	WT(G)	SWT	NO.	SNOW.	WT(G)	SWT	
ROCK BASS	1977	14	11.7	851.92	4.9	4	0.4	2.48	0.3	18	1.5	854.40	4.7
	1978	9	5.2	392.00	3.7	0	0.0	0.00	0.0	9	4.1	399.00	3.7
	1979	13	16.3	676.00	8.5	1	1.4	56.00	42.8	14	9.3	732.00	9.1
	1981	8	8.2	659.00	3.9	4	14.8	9.14	8.8	12	9.6	668.14	3.9
	1982	6	11.5	617.00	5.1	0	0.0	0.00	0.0	6	8.7	617.00	5.1
	1984	3	3.4	230.00	2.2	0	0.0	0.00	0.0	3	0.8	230.00	2.2
	1985	8	8.2	222.13	2.0	0	0.0	0.00	0.0	8	2.1	222.13	2.0
	1986	35	18.1	2433.00	13.5	0	0.0	0.00	0.0	35	9.5	2442.00	13.5
	1987	36	21.8	2240.92	22.4	1	1.1	36.88	34.9	37	14.5	2277.80	22.5
	1988	25	11.0	1997.06	8.3	2	2.5	41.21	1.6	27	8.8	2038.27	8.3
	1989	20	8.5	451.33	5.7	0	0.0	0.00	0.0	20	5.8	451.33	5.7
	TOTAL	177	11.7	10777.36	7.4	12	0.5	145.51	5.4	189	5.0	10922.87	7.3
GREEN SUNFISH	1977	11	9.2	263.27	1.5	3	0.3	13.51	1.7	14	1.2	276.78	1.5
	1978	30	17.3	645.63	6.0	0	0.0	0.00	0.0	30	13.6	645.63	6.0
	1979	24	30.0	442.00	5.6	2	2.8	21.12	16.1	26	17.2	463.12	5.7
	1981	16	16.3	248.00	1.5	0	0.0	0.00	0.0	16	12.6	248.00	1.5
	1982	12	23.1	192.00	1.8	0	0.0	0.00	0.0	12	17.4	192.00	1.6
	1983	8	14.8	74.25	0.6	0	0.0	0.00	0.0	8	10.8	74.25	0.6
	1984	7	10.3	315.82	3.0	0	0.0	0.00	0.0	7	2.0	315.82	3.0
	1985	5	5.1	365.00	3.3	0	0.0	0.00	0.0	5	1.3	365.00	3.3
	1986	7	3.6	374.98	1.8	2	1.1	12.01	2.2	9	2.4	376.99	1.8
	1987	7	4.2	255.10	2.6	1	1.1	0.32	0.3	8	3.1	255.42	2.5
	1988	0	0.0	0.00	0.0	1	1.3	14.68	3.4	1	0.3	14.68	0.3
	1989	25	10.7	351.81	4.5	0	0.0	0.00	0.0	25	7.2	351.81	4.4
TOTAL	152	9.7	3877.66	2.2	9	0.4	1.64	2.2	161	4.2	3539.50	2.2	
PUMPKINSEED	1977	1	0.4	3.34	0.0	0	0.0	0.00	0.0	1	0.0	3.34	0.0
TOTAL	1	0.4	3.34	0.0	0	0.0	0.00	0.0	1	0.0	3.34	0.0	
ORANGESPOTTED SUNFISH	1977	1	0.8	3.03	0.0	4	0.4	1.35	0.2	5	0.4	4.38	0.0
	1978	15	8.7	198.00	1.9	0	0.0	0.00	0.0	15	6.9	198.00	1.8
	1979	3	3.8	46.00	0.6	0	0.0	0.00	0.0	3	2.0	46.00	0.6
	1981	9	9.2	75.92	0.5	0	0.0	0.00	0.0	9	7.2	75.92	0.4
	1982	2	1.7	38.00	0.3	0	0.0	0.00	0.0	2	2.7	38.00	0.3
	1984	5	7.4	61.00	0.6	0	0.0	0.00	0.0	5	1.4	61.00	0.6
	1985	8	8.2	95.88	0.9	0	0.0	0.00	0.0	8	2.1	95.88	0.9
	1986	28	14.5	410.73	2.3	11	6.3	118.27	22.0	39	10.6	529.00	2.8
	1987	11	6.7	132.05	1.3	2	2.2	0.22	0.2	13	5.1	132.27	1.3
	1988	4	1.8	50.35	0.2	2	2.5	13.65	3.2	6	2.0	64.00	0.3
	1989	9	3.8	117.00	1.5	0	0.9	12.77	11.3	10	2.9	129.77	1.6
	TOTAL	95	5.3	1227.96	0.8	20	0.9	146.26	5.3	115	3.0	1374.22	0.9
BLUEGILL	1977	1	0.4	0.92	0.0	2	0.2	0.68	0.1	3	0.2	1.60	0.0
	1978	2	4.6	79.00	0.7	1	2.2	5.00	6.6	3	4.1	84.00	0.8
	1979	1	1.3	15.00	0.2	0	0.0	0.00	0.0	1	0.7	15.00	0.2
	1981	1	1.0	3.00	0.0	0	0.0	0.00	0.0	1	0.8	3.00	0.0
	1982	1	1.9	25.00	0.2	0	0.0	0.00	0.0	1	1.4	26.00	0.2
	1984	1	1.5	10.00	0.1	0	0.0	0.00	0.0	1	0.3	10.00	0.1
	1986	4	2.1	703.27	1.1	1	2.3	12.24	2.3	5	2.2	715.51	1.2
	1987	5	3.0	71.34	0.7	8	4.4	1.34	1.3	13	3.5	72.68	0.7
	1988	2	0.9	227.00	0.9	1	1.3	0.56	0.1	3	1.0	227.56	0.9
	1989	5	2.1	24.28	0.3	0	0.0	0.00	0.0	5	1.4	24.28	0.3
	TOTAL	29	2.0	660.01	0.5	12	0.6	19.82	0.8	41	1.2	679.83	0.5
NORTHERN LONGEAR SUNFISH	1977	12	10.0	170.39	1.0	3	0.3	31.22	3.8	15	1.3	201.61	1.1
	TOTAL	12	10.0	170.39	1.0	3	0.3	31.22	3.8	15	1.3	201.61	1.1
LONGEAR SUNFISH	1977	4	2.9	50.04	0.3	7	0.7	6.99	0.9	11	0.9	57.03	0.3
	1978	47	27.2	776.40	7.3	1	2.2	15.00	19.8	48	22.0	791.40	7.3
	1979	10	12.5	154.00	1.9	1	4.2	11.52	8.8	11	8.6	165.52	2.0
	1981	15	15.1	183.00	1.1	0	0.0	0.00	0.0	15	12.0	183.00	1.1
	1982	7	13.5	61.32	0.5	0	0.0	0.00	0.0	7	10.1	61.32	0.5
	1983	5	9.3	57.69	0.5	1	5.4	78.18	75.4	6	8.1	135.87	1.1
	1984	16	23.3	153.67	1.5	0	0.0	0.00	0.0	16	4.5	153.67	1.4
	1985	24	24.5	380.78	3.5	3	1.1	20.39	7.8	27	6.9	401.17	3.6
	1986	51	26.4	949.11	5.2	23	13.1	238.56	44.3	74	20.1	1187.67	6.4
	1987	60	36.4	837.83	8.4	3	3.3	42.90	40.8	63	24.6	880.73	8.7
	1988	14	6.2	163.45	0.8	13	16.1	160.73	37.5	27	8.8	344.18	1.4
	1989	103	44.0	1291.86	16.4	10	8.9	26.34	23.4	113	32.7	1318.20	16.5
	TOTAL	326	22.8	5078.95	3.2	64	2.8	600.81	21.6	420	10.9	5679.56	3.3
GREEN SUNFISH X BLUEGILL	1983	1	1.0	88.40	0.8	0	0.0	0.00	0.0	1	0.3	88.40	0.8
	TOTAL	1	1.0	88.40	0.8	0	0.0	0.00	0.0	1	0.3	88.40	0.8
UNIDENTIFIED SUNFISH	1977	0	0.0	0.00	0.0	1	0.1	0.02	0.0	1	0.1	0.02	0.0
	1981	0	0.0	0.00	0.0	1	3.7	0.12	0.1	1	0.8	0.12	0.0
	1982	0	0.0	0.00	0.0	1	5.9	0.15	1.9	1	1.4	0.15	0.0
	1983	0	0.0	0.00	0.0	3	15.0	0.49	0.5	3	4.1	0.49	0.0
	TOTAL	0	0.0	0.00	0.0	6	0.5	0.78	0.1	6	0.4	0.78	0.0
SMALLMOUTH BASS	1977	16	12.9	2176.05	12.6	0	0.0	0.00	0.0	16	1.3	2176.05	12.0
	1978	17	9.8	1434.24	13.4	0	0.0	0.00	0.0	17	7.8	1434.24	13.3
	1979	6	7.5	1013.00	12.7	0	0.0	0.00	0.0	6	4.0	1013.00	12.5
	1981	8	8.2	2524.00	15.0	1	3.7	0.21	0.2	9	7.2	2524.21	14.9
	1982	6	11.5	1702.00	14.1	0	0.0	0.00	0.0	6	8.7	1702.00	14.1
	1983	17	31.5	875.11	6.8	0	0.0	0.00	0.0	17	23.0	875.11	6.8
	1984	9	13.2	1523.00	14.5	0	0.0	0.00	0.0	9	2.5	1523.00	14.4
	1985	36	36.7	3369.67	30.9	10	3.4	31.05	11.9	46	11.8	3400.72	30.5
	1986	13	6.7	1585.00	8.8	0	0.0	0.00	0.0	13	3.5	1585.00	8.5
	1987	13	7.9	879.00	9.8	2	2.2	1.53	1.5	15	5.9	880.53	8.7
	1988	80	25.2	2549.20	10.6	30	37.5	172.67	40.3	110	35.8	2721.87	11.1
	1989	27	11.5	1283.21	16.3	1	0.9	9.54	8.5	28	8.1	1292.75	16.2
	TOTAL	248	15.8	20913.48	13.2	44	1.9	215.00	7.1	292	7.6	21128.48	13.1
LARGEMOUTH BASS	1977	1	0.8	8.79	0.1	3	0.3	40.97	5.0	4	0.3	49.76	0.3
	1978	4	2.3	161.78	1.5	1	2.2	2.74	3.6	5	2.3	164.52	1.5
	1979	0	0.0	0.00	0.0	1	1.4	3.19	2.8	1	0.7	3.19	0.0
	1981	3	3.1	345.00	2.1	2	7.4	55.35	41.3	5	4.0	400.35	2.4
	1982	2	3.8	192.84	1.6	1	5.9	1.58	19.8	3	4.3	194.42	1.6
	1984	2	2.9	20.00	0.2	0	0.0	0.00	0.0	2	0.6	20.00	0.2
	1985	2	2.0	1230.00	11.3	4	1.4	9.17	3.5	6	1.5	1239.17	11.1
	1986	4	2.1	421.00	2.3	0	0.0	0.00	0.0	4	1.1	421.00	2.3
	1987	2	1.2	11.90	0.1	0	0.0	0.00	0.0	2	0.8	11.90	0.1
	1989	3	0.9	163.18	2.1	0	0.0	0.00	0.0	3	0.6	163.18	2.0
	TOTAL	22	1.7	2554.49	2.1	12	0.6	113.00	5.0	34	1.0	2667.49	2.0

APPENDIX D-6 (CONT.), TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88, AND JULY/AUGUST 1989.

SPECIES		ELECTROFISHING			SEINING			TOTAL		
		NO.	\$NO.	WT(G)	NO.	\$NO.	WT(G)	NO.	\$NO.	WT(G)
WHITE CRAPPIE	1977	0	0.0	0.00	4	0.4	6.89	4	0.3	6.89
	1979	1	1.3	54.00	11	15.5	7.54	12	7.9	61.54
	1981	1	1.0	56.00	1	3.7	20.00	2	1.8	76.00
	1982	0	0.0	0.00	1	5.9	0.46	1	1.4	0.46
	1986	0	0.0	0.00	1	0.6	15.01	1	0.3	15.01
TOTAL		2	0.4	110.00	18	1.3	49.90	20	1.1	159.90
BLACK CRAPPIE	1977	1	0.4	4.00	40	1.8	275.93	41	3.4	279.93
	1979	1	1.3	18.00	9	12.7	9.4	10	8.6	27.47
	1981	0	0.0	0.00	2	7.4	20.25	2	1.6	20.25
	1986	0	0.0	0.00	1	0.6	17.54	1	0.3	17.54
	TOTAL	2	0.3	22.00	52	3.9	323.19	54	2.9	345.19
JOHNNY DARTER	1978	0	0.0	0.00	1	2.2	0.33	1	0.5	0.33
	1979	0	0.0	0.00	1	1.4	0.16	1	0.7	0.16
	1986	0	0.0	0.00	7	4.0	3.09	7	1.9	3.09
	1987	1	0.6	56.00	0	0.0	0.00	1	0.4	0.56
	1989	0	0.0	0.00	1	0.9	0.39	1	0.3	0.39
TOTAL		1	0.1	0.56	10	2.0	3.97	11	0.6	4.53
BANDIED DARTER	1977	0	0.0	0.00	7	0.7	2.15	7	0.6	2.15
	TOTAL	0	0.0	0.00	7	0.7	2.15	7	0.6	2.15
LOG PERCH	1986	26	11.5	80.31	0	0.0	0.00	26	8.5	80.31
	1989	2	0.9	6.19	0	0.0	0.00	2	0.8	6.19
	TOTAL	28	6.1	86.50	0	0.0	0.00	28	4.3	86.50
BLACKSIDE DARTER	1979	0	0.0	0.00	2	2.8	1.62	2	1.3	1.62
	1983	0	0.0	0.00	1	0.3	0.86	1	0.3	0.86
	1987	0	0.0	0.00	1	1.1	1.18	1	0.4	1.18
	1989	0	0.0	0.00	1	0.9	0.84	1	0.3	0.84
	TOTAL	0	0.0	0.00	5	0.9	4.50	5	0.4	4.50
SLENDERHEAD DARTER	1986	1	0.5	2.01	0	0.0	0.00	1	0.3	2.01
	1988	5	2.2	14.89	0	0.0	0.00	5	1.6	14.89
	1989	2	0.9	3.61	0	0.0	0.00	2	0.6	3.61
	TOTAL	8	1.2	20.51	0	0.0	0.00	8	0.8	20.51
WALLEYE	1977	2	1.3	62.00	0	0.0	0.00	2	0.1	62.00
	TOTAL	2	1.3	62.00	0	0.0	0.00	2	0.1	62.00

APPENDIX D-7. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4P OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88, AND JULY/AUGUST 1989.

SPECIES		ELECTROFISHING			SEINING			TOTAL		
		NO.	\$NO.	WT(G)	NO.	\$NO.	WT(G)	NO.	\$NO.	WT(G)
LONGNOSE GAR	1977	1	0.7	45.00	0	0.0	0.00	1	0.2	45.00
	1978	1	0.8	29.00	1	2.1	5.92	2	1.3	34.92
	1979	1	1.4	32.00	0	0.0	0.00	1	0.5	32.00
	1985	0	0.0	0.00	1	0.7	50.00	1	0.4	50.00
	1988	3	1.7	96.00	0	0.0	0.00	3	0.5	96.00
	1989	4	1.4	611.00	0	0.0	0.00	4	0.6	611.00
TOTAL		10	1.2	805.00	2	0.1	55.92	12	0.5	860.92
GIZZARD SHAD	1977	2	2.1	9.88	2	0.8	0.93	4	1.1	10.81
	1978	18	16.5	116.66	0	0.0	0.00	18	11.5	116.66
	1981	2	2.6	99.00	0	0.0	0.00	2	1.7	99.00
	1986	2	1.5	34.00	0	0.0	0.00	2	1.0	34.00
	1987	2	1.4	221.92	78	24.3	3.57	80	17.2	225.47
	1988	1	0.6	408.00	57	14.2	708.6	58	10.0	1112.66
	1989	4	1.4	148.58	4	1.0	1.3	8	1.2	149.89
	TOTAL	31	3.1	1034.04	141	9.4	714.9	172	6.9	1748.51
GRASS PICKEREL	1977	1	0.7	6.00	0	0.0	0.00	1	0.2	6.00
	1978	3	2.8	10.00	0	0.0	0.00	3	1.9	10.00
	1979	2	2.8	24.00	0	0.0	0.00	2	1.0	24.00
	1981	3	3.8	44.00	1	2.7	2.84	4	3.5	46.84
	1982	0	0.0	0.00	1	4.5	2.00	1	1.5	2.00
	TOTAL	9	2.3	84.00	2	0.4	4.84	11	1.2	88.84
NORTHERN PIKE	1984	1	1.1	80.00	1	0.0	1.00	1	0.8	80.00
	1987	1	0.7	1700.00	0	0.0	0.00	1	0.2	1700.00
	TOTAL	2	0.9	1780.00	1	0.0	1.00	3	0.3	1780.00
CARP	1977	3	4.1	5565.00	0	0.0	0.00	3	0.9	5565.00
	1978	1	0.9	410.00	0	0.0	0.00	1	0.6	410.00
	1979	1	1.4	910.00	0	0.0	0.00	1	0.5	910.00
	1981	2	2.6	6.00	0	0.0	0.00	2	1.7	6.00
	1982	4	9.1	6620.00	0	0.0	0.00	4	6.1	6620.00
	1983	1	3.3	1455.00	0	0.0	0.00	1	1.2	1455.00
	1987	1	0.7	660.00	0	0.0	0.00	1	0.2	660.00
	1988	1	0.6	59.00	0	0.0	0.00	1	0.2	59.00
	1989	15	5.4	9052.00	0	0.0	0.00	15	2.3	9052.00
	TOTAL	29	2.9	25737.00	0	0.0	0.00	29	1.1	25737.00
HORNYHEAD CHUB	1977	0	0.0	0.00	2	0.8	0.75	2	0.6	0.75
	1978	0	0.0	0.00	2	4.3	0.35	2	1.3	0.35
	1979	0	0.0	0.00	2	1.6	0.85	2	1.0	0.85
	1987	0	0.0	0.00	2	0.6	0.47	2	0.4	0.47
	TOTAL	0	0.0	0.00	6	1.1	2.42	6	0.7	2.42
GOLDEN SHINER	1981	1	1.3	3.00	0	0.0	0.00	1	0.9	3.00
	1989	0	0.0	0.00	1	0.3	2.93	1	0.2	2.93
	TOTAL	1	0.3	3.00	1	0.2	2.93	2	0.3	5.93
EMERALD SHINER	1986	1	0.7	7.42	0	0.0	0.00	1	0.5	7.42
	1987	0	0.0	0.00	15	4.7	3.75	15	3.2	3.75
	1989	0	0.0	0.00	2	0.5	0.34	2	0.3	0.34
	TOTAL	1	0.2	7.42	17	2.2	4.09	18	1.4	11.51
GHOST SHINER	1989	0	0.0	0.00	1	0.3	0.52	1	0.2	0.52
	TOTAL	0	0.0	0.00	1	0.3	0.52	1	0.2	0.52

APPENDIX D-7 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 48 OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	NO.	WT (G)	WT	NO.	NO.	WT (G)	WT	NO.	NO.	WT (G)	WT
STRIPED SHINER	1977	0	0.0	0.00	0.0	1	0.4	3.62	0.4	1	0.3	0.62	0.0
	1978	0	0.0	0.00	0.0	14	29.8	3.65	14.1	14	9.0	3.65	0.1
	1979	0	0.0	0.00	0.0	1	0.8	0.27	0.2	1	0.4	0.27	0.0
	1981	0	0.0	0.00	0.0	1	0.9	6.46	20.7	27	12.0	8.46	0.1
	1985	3	2.8	2.00	0.0	1	4.0	21.41	7.2	37	15.2	23.41	0.4
	1987	1	0.7	0.92	0.1	4	0.0	2.86	0.7	14	3.0	3.80	0.0
	1988	6	3.4	7.21	0.0	0	0.0	24.25	2.0	23	4.0	31.46	0.2
	1989	7	2.5	71.59	0.4	0	0.0	0.00	0.0	7	1.1	71.59	0.4
TOTAL	17	1.7	83.72	0.1	107	6.3	61.54	2.4	124	4.6	145.26	0.2	
RED SHINER	1979	0	0.0	0.00	0.0	2	1.6	1.48	1.3	2	1.0	1.48	0.0
	TOTAL	0	0.0	0.00	0.0	2	1.6	1.48	1.3	2	1.0	1.48	0.0
ROSBYFACE SHINER	1977	0	0.0	0.00	0.0	24	9.7	10.51	6.9	24	7.5	10.51	0.1
	1978	3	2.8	1.99	0.1	0	0.0	0.00	0.0	3	1.9	1.99	0.0
	1979	0	0.0	0.00	0.0	2	1.6	0.61	0.5	2	1.0	0.61	0.0
	1981	0	0.0	0.00	0.0	1	2.7	1.70	1.0	1	0.9	1.70	0.0
	1982	0	0.0	0.00	0.0	5	22.7	3.54	9.2	5	7.6	3.54	0.0
	1983	2	6.7	0.91	0.0	0	0.0	0.00	0.0	2	2.4	0.91	0.0
	1985	2	1.8	2.4	0.0	32	23.9	12.16	4.3	34	14.0	14.00	0.2
	1987	3	2.1	9.12	0.1	14	4.4	3.82	0.9	17	3.7	13.14	0.2
	1988	14	7.8	9.61	0.1	200	49.8	156.20	12.9	214	36.8	165.81	1.0
	1989	0	0.0	0.00	0.0	142	37.0	56.34	18.8	142	21.4	56.34	0.3
	TOTAL	24	2.1	23.06	0.0	420	23.7	245.50	8.7	464	58.4	266.56	0.2
	SPOTFIN SHINER	1977	11	15.2	50.99	0.3	144	58.1	85.98	56.4	155	48.4	136.97
1978		3	2.8	7.94	0.2	3	6.4	4.57	17.7	6	3.8	12.51	0.3
1979		5	6.9	16.88	0.6	43	66.9	76.76	66.2	48	44.9	97.64	2.9
1981		3	3.8	9.05	0.1	16	48.6	25.34	15.4	21	18.3	34.39	0.2
1982		0	0.0	0.00	0.0	1	4.7	1.64	4.3	1	1.5	1.64	0.0
1983		0	0.0	0.00	0.0	22	42.3	27.77	74.4	22	26.8	27.77	0.3
1984		17	18.5	36.17	0.5	24	22.3	28.50	49.9	41	34.7	64.67	0.8
1985		0	0.0	0.00	0.0	29	21.6	12.79	11.1	29	11.9	12.79	0.5
1986		5	3.6	4.17	0.0	21	38.9	14.74	3.6	26	13.6	18.71	0.2
1987		41	28.7	56.29	0.7	49	15.3	39.94	9.9	90	19.4	96.23	1.2
1988		2	1.1	8.51	0.1	18	4.5	76.59	1.4	20	3.4	25.10	0.1
1989		2	0.7	2.83	0.0	117	30.5	38.63	13.0	119	17.9	41.66	0.2
TOTAL		89	6.6	194.83	0.1	529	29.6	395.45	12.3	518	19.3	510.28	0.4
SAND SHINER		1977	1	0.7	0.15	0.0	16	5.6	6.29	4.1	17	4.5	6.44
	1978	0	0.0	0.00	0.0	8	17.0	2.12	8.2	8	5.1	2.12	0.1
	1979	0	0.0	0.00	0.0	9	4.0	2.35	2.0	9	2.6	2.35	0.1
	1981	0	0.0	0.00	0.0	1	2.7	1.28	0.8	1	0.9	1.28	0.0
	1984	0	0.0	0.00	0.0	1	3.8	0.13	0.2	1	0.6	0.13	0.0
	1986	0	0.0	0.00	0.0	5	9.3	2.18	0.5	5	2.6	2.18	0.0
	1988	1	0.6	2.50	0.0	2	0.5	0.77	0.1	3	0.5	3.27	0.0
	1989	1	0.4	0.85	0.0	1	0.7	0.13	0.0	2	0.3	0.98	0.0
	TOTAL	3	0.2	3.50	0.0	37	2.8	15.25	0.6	40	1.7	16.75	0.0
	REDFIN SHINER	1977	0	0.0	0.00	0.0	2	0.8	0.38	0.2	2	0.6	0.38
1978		0	0.0	0.00	0.0	1	2.1	1.15	4.4	1	0.6	1.15	0.0
1981		0	0.0	0.00	0.0	8	21.6	4.00	2.4	8	7.0	4.00	0.0
1982		0	0.0	0.00	0.0	3	13.4	2.94	7.7	3	4.5	2.94	0.0
1987		1	0.7	1.39	0.0	2	0.6	1.75	0.4	3	0.6	3.14	0.0
1988		0	0.0	0.00	0.0	1	0.2	0.48	0.0	1	0.2	0.48	0.0
1989		1	0.4	1.64	0.0	1	0.3	1.29	0.4	2	0.3	2.93	0.0
TOTAL		2	0.2	3.03	0.0	18	1.2	11.99	0.5	20	0.8	15.02	0.0
MIMIC SHINER		1977	0	0.0	0.00	0.0	1	0.4	0.13	0.1	1	0.3	0.13
	1981	0	0.0	0.00	0.0	1	2.7	0.40	0.1	1	0.9	0.40	0.0
	1986	0	0.0	0.00	0.0	1	1.9	0.34	0.1	1	0.5	0.34	0.0
	1987	0	0.0	0.00	0.0	47	14.6	25.16	6.2	47	10.1	25.16	0.3
	1988	0	0.0	0.00	0.0	1	0.2	0.59	0.0	1	0.2	0.59	0.0
	TOTAL	0	0.0	0.00	0.0	51	4.8	26.62	1.1	51	3.1	26.62	0.0
SUCKERMOUTH MINNOW	1978	0	0.0	0.00	0.0	1	2.1	0.28	1.1	1	0.6	0.28	0.0
	1979	0	0.0	0.00	0.0	2	1.6	1.17	1.0	2	1.0	1.17	0.0
	TOTAL	0	0.0	0.00	0.0	3	3.8	1.45	1.0	3	0.9	1.45	0.0
BLUETNOSE MINNOW	1977	2	2.8	5.28	0.0	13	5.2	11.48	7.5	15	4.7	16.76	0.1
	1978	1	0.9	4.00	0.1	12	25.5	4.72	18.3	13	8.3	8.72	0.2
	1979	5	6.9	21.66	0.7	7	5.6	11.72	10.2	12	6.1	33.38	1.0
	1981	0	0.0	0.00	0.0	1	1.9	0.54	1.4	1	1.2	0.54	0.0
	1984	2	2.2	4.43	0.1	0	0.0	0.00	0.0	2	1.7	4.43	0.1
	1985	8	7.3	19.34	0.3	13	9.7	11.17	3.8	21	8.6	30.49	0.5
	1986	5	3.6	7.92	0.1	16	29.6	12.34	3.0	21	11.0	20.26	0.2
	1987	22	15.4	27.85	0.4	28	8.7	26.32	6.5	50	10.8	54.17	0.7
	1988	3	1.7	3.40	0.0	11	2.7	23.27	1.9	14	2.4	26.67	0.2
	1989	6	2.1	19.36	0.1	17	4.4	13.03	4.6	23	3.5	32.39	0.2
	TOTAL	54	4.4	113.22	0.1	118	6.6	114.39	3.8	172	5.7	227.61	0.2
	BULLHEAD MINNOW	1977	12	15.9	33.01	0.2	7	2.8	1.85	1.2	19	5.8	34.86
1978		1	0.9	1.04	0.0	0	0.0	0.00	0.0	1	0.6	1.04	0.0
1979		2	2.8	12.00	0.4	2	1.6	3.96	3.4	4	2.0	15.96	0.5
1981		1	1.3	4.40	0.0	2	5.4	0.87	0.5	3	2.6	5.27	0.0
1984		1	1.1	4.38	0.1	0	0.0	0.00	0.0	1	0.8	4.38	0.1
1986		1	0.7	1.17	0.0	1	1.9	1.00	0.2	2	1.0	2.17	0.0
1987		1	0.7	2.22	0.0	1	0.3	2.55	0.2	2	0.3	4.99	0.0
1988		1	0.6	1.54	0.0	1	0.2	1.17	0.4	8	1.8	9.36	0.0
1989		5	1.8	8.21	0.0	3	0.8	1.17	0.4	8	1.8	9.36	0.0
TOTAL	25	2.1	68.37	0.1	27	1.0	13.51	0.5	42	1.5	61.88	0.1	
CREEK CHUB	1979	0	0.0	0.00	0.0	1	0.8	0.41	0.4	1	0.5	0.41	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.8	0.41	0.4	1	0.5	0.41	0.0
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	19	7.7	1.16	0.8	19	5.9	1.16	0.0
	TOTAL	0	0.0	0.00	0.0	19	7.7	1.16	0.8	19	5.9	1.16	0.0
QUILLBACK	1977	1	1.4	466.50	3.0	0	0.0	0.00	0.0	1	0.3	466.50	2.9
	1981	1	1.3	350.00	2.0	0	0.0	0.00	0.0	1	0.9	350.00	1.9
	1982	2	4.5	1035.00	6.8	0	0.0	0.00	0.0	2	3.0	1035.00	6.8
	1983	7	23.3	4255.00	53.1	0	0.0	0.00	0.0	7	8.5	4255.00	52.8
	1984	4	4.3	2860.00	37.6	0	0.0	0.00	0.0	4	3.4	2860.00	37.1
	1985	1	0.9	770.00	12.7	0	0.0	0.00	0.0	1	0.4	770.00	12.1
	1986	2	1.5	1535.00	13.9	0	0.0	0.00	0.0	2	1.0	1535.00	13.4
	1987	2	1.4	1305.00	16.7	0	0.0	0.00	0.0	2	0.4	1305.00	15.8
	1988	2	1.1	2043.00	11.1	0	0.0	0.00	0.0	2	0.3	2043.00	12.1
	1989	2	0.7	1514.00	7.4	0	0.0	0.00	0.0	2	0.3	1514.00	7.3
	TOTAL	24	2.1	16143.50	12.6	0	0.0	0.00	0.0	24	0.8	16143.50	12.5
WHITE SUCKER	1977	1	0.7	275.00	1.8	0	0.0	0.00	0.0	1	0.2	275.00	1.7
	TOTAL	1	0.7	275.00	1.8	0	0.0	0.00	0.0	1</			

APPENDIX D-7 (CONT.) TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4A OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	WGT	WT	NO.	WGT	WT	NO.	WGT	WT
NORTHERN HOOSUCKER	1977	1	0.7	377.50	2.4	0.00	1	0.2	377.50
	1979	1	1.4	36.00	1.1	0.00	1	0.5	36.00
	1981	1	1.3	320.00	1.3	0.00	1	0.9	320.00
	1982	1	2.3	515.00	3.4	0.00	1	1.5	515.00
	1984	3	3.3	1995.00	26.2	0.00	3	2.3	1995.00
	1986	1	0.1	236.00	2.1	0.00	1	0.5	236.00
	1987	1	0.7	560.00	7.1	0.00	1	0.2	560.00
	1988	3	1.7	1418.80	9.1	0.00	3	0.5	1418.80
TOTAL	12	1.4	5458.30	5.8	0.00	0.00	12	0.6	5458.30
SMALLMOUTH BUFFALO	1987	0	0.0	0.00	0.0	1	0.3	3.24	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.3	3.24	0.0
SPOTTED SUCKER	1989	1	0.4	38.00	0.2	0.00	1	0.2	38.00
	TOTAL	1	0.4	38.00	0.2	0.00	1	0.2	38.00
SILVER REDHORSE	1978	2	1.8	113.00	2.9	0.00	2	1.3	113.00
	1982	1	2.3	215.00	1.4	0.00	1	1.5	215.00
	1983	1	3.3	86.00	1.1	0.00	1	1.2	86.00
	1986	1	0.6	4.86	0.0	0.00	1	0.2	4.86
	1987	2	0.7	111.00	0.5	0.00	2	0.3	111.00
	TOTAL	7	1.1	529.86	0.8	0.00	7	0.5	529.86
RIVER REDHORSE	1977	1	1.4	63.00	0.4	0.00	1	0.3	63.00
	1978	2	1.8	192.00	4.9	0.00	2	1.3	192.00
	1981	6	1.7	2700.00	15.1	0.00	6	5.2	2700.00
	1982	1	2.3	525.00	3.5	0.00	1	1.5	525.00
	1985	1	0.9	2.38	0.0	0.00	1	0.4	2.38
	1986	7	5.1	135.00	1.2	0.00	7	1.7	135.00
	1989	18	3.3	3617.38	5.2	0.00	18	1.6	3617.38
	TOTAL	18	3.3	3617.38	5.2	0.00	18	1.6	3617.38
GOLDEN REDHORSE	1977	5	6.2	1394.00	8.9	0.00	5	1.4	1394.00
	1978	7	6.4	477.00	12.2	0.00	7	4.5	477.00
	1979	14	19.4	706.00	22.1	0.00	14	7.1	706.00
	1981	6	7.7	1906.00	10.6	0.00	6	5.2	1906.00
	1982	8	18.2	3690.00	24.3	0.00	8	12.1	3690.00
	1983	1	3.3	430.00	5.3	0.00	1	1.2	430.00
	1984	5	5.4	617.00	8.1	0.00	5	4.2	617.00
	1985	9	6.3	1762.14	29.0	2.15	11	4.5	1765.11
	1986	22	16.1	4770.10	43.1	1.19	23	12.0	5155.10
	1987	5	3.5	1201.00	15.3	0.00	5	1.1	1201.00
	1988	12	6.7	7494.20	48.0	1.02	13	2.2	7498.82
	1989	48	17.1	1886.30	9.2	0.00	48	7.2	1886.30
	TOTAL	142	10.5	26335.74	19.8	4.02	146	4.6	26708.13
SHORTHEAD REDHORSE	1977	4	4.8	1525.50	9.7	0.00	4	1.1	1525.50
	1978	3	2.8	557.09	14.2	0.00	3	1.9	557.09
	1979	2	2.8	82.00	2.6	0.00	2	1.0	82.00
	1981	18	23.1	6930.00	38.6	0.00	18	15.7	6930.00
	1983	1	3.3	75.00	0.9	0.00	1	1.2	75.00
	1985	6	2.5	16.84	0.7	0.00	6	2.5	16.84
	1986	3	2.2	523.00	4.7	0.00	3	1.6	523.00
	1988	1	0.2	1225.80	7.9	0.00	1	0.2	1225.80
	1989	6	2.1	2329.00	11.3	0.00	6	0.9	2329.00
	TOTAL	44	4.1	13261.83	13.0	0.00	44	1.7	13261.83
UNIDENTIFIED REDHORSE	1977	3	4.1	9.70	0.1	2	0.8	2.77	1.8
	TOTAL	3	4.1	9.70	0.1	2	0.8	2.77	1.8
CHANNEL CATFISH	1977	1	0.7	300.00	1.9	0.00	1	0.2	300.00
	1981	1	1.3	1140.00	6.4	0.00	1	0.9	1140.00
	TOTAL	2	1.0	1440.00	8.3	0.00	2	0.3	1440.00
STONECAT	1977	1	1.4	24.50	0.2	0.00	1	0.3	24.50
	1979	2	2.8	33.00	1.0	0.00	2	1.0	33.00
	1981	1	1.1	16.00	0.2	1	3.8	28.48	49.9
	1982	1	0.7	25.00	0.3	0.00	1	0.2	25.00
	TOTAL	5	1.3	98.50	0.3	1	0.1	28.48	3.9
PIRATE PERCH	1987	1	0.7	2.25	0.0	0.00	1	0.2	2.25
	TOTAL	1	0.7	2.25	0.0	0.00	1	0.2	2.25
BLACKSTRIPE TOPMINNOW	1978	0	0.0	0.00	0.0	2	4.1	0.53	2.1
	1979	0	0.0	0.00	0.0	1	0.8	0.28	0.2
	1983	0	0.0	0.00	0.0	2	3.8	0.58	1.6
	1985	0	0.0	0.00	0.0	2	1.5	0.91	0.3
	1988	0	0.0	0.00	0.0	1	0.2	0.76	0.1
	1989	0	0.0	0.00	0.0	8	1.1	3.06	0.2
	TOTAL	0	0.0	0.00	0.0	8	0.6	3.06	0.0
BROOK SILVERSIDE	1977	0	0.0	0.00	0.0	4	1.6	2.22	0.0
	1985	1	0.9	0.37	0.0	3	2.2	1.06	0.0
	1986	4	2.9	9.82	0.1	3	5.6	4.77	1.2
	1987	0	0.0	0.00	0.0	41	12.8	17.19	4.3
	1988	0	0.0	0.00	0.0	27	6.7	17.76	1.3
	1989	6	2.1	8.02	0.0	73	19.0	23.27	7.8
	TOTAL	11	1.2	18.21	0.0	151	9.8	65.90	2.4
ROCK BASS	1977	4	4.8	186.22	1.2	2	0.8	1.24	0.8
	1978	10	9.2	713.16	18.2	0.00	10	6.4	713.16
	1979	6	8.3	552.00	17.3	0.00	6	3.1	552.00
	1981	8	10.3	644.00	3.6	1	2.7	120.00	73.1
	1982	8	18.2	306.00	2.0	0.00	8	12.1	306.00
	1983	1	3.3	98.00	1.2	0.00	1	1.2	98.00
	1985	11	10.1	471.00	7.6	1	0.7	84.00	28.4
	1986	5	3.6	724.00	6.5	0.00	5	2.6	724.00
	1987	8	5.6	578.00	7.4	2	0.6	108.91	27.0
	1988	6	1.4	636.29	4.1	7	1.7	14.79	1.7
	1989	20	7.1	1140.00	5.5	0.00	20	3.0	1140.00
	TOTAL	87	6.9	6048.67	4.8	13	0.7	328.96	10.4
GREEN SUNFISH	1978	10	9.2	126.24	3.2	0.00	10	6.4	126.24
	1979	4	5.6	45.00	1.4	1	0.8	0.16	0.1
	1981	6	7.7	57.00	0.3	0.00	6	5.2	57.00
	1982	4	9.1	128.00	0.8	0.00	4	6.1	128.00
	1983	6	20.0	211.00	2.6	0.00	6	7.3	211.00
	1984	22	23.9	647.15	3.5	0.00	22	18.6	647.15
	1985	21	19.3	733.37	12.1	0.00	21	8.6	733.37
	1986	35	25.5	971.97	8.8	0.00	35	18.3	971.97
	1987	5	1.5	79.70	1.0	0.00	5	1.1	79.70
	1988	3	1.7	47.00	0.3	0.00	3	0.5	47.00
	1989	4	1.4	61.46	0.3	2	0.5	33.57	11.2
	TOTAL	120	9.4	3108.29	2.7	3	0.2	33.73	1.1

APPENDIX D-7 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION NR OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	NO.	WT (G)	NO.	NO.	WT (G)	NO.	NO.	WT (G)
PUMPKINSEED	1984	3	2.2	101.57	0.9	0.0	3	1.6	101.57
TOTAL	3	2.2	101.57	0.9	0.0	0.0	3	1.6	101.57
ORANGESPOTTED SUNFISH	1977	0	0.0	0.00	0.0	1 0.4	1	0.3	0.07
1981	2	2.6	31.00	0.2	1 2.7	7.04	3	2.6	38.04
1982	0	0.0	0.00	0.0	3 13.6	20.37	3	4.5	20.37
1985	7	6.4	86.00	1.4	0 0.0	0.00	7	2.9	86.00
1986	2	1.5	23.00	0.2	0 0.0	0.00	2	1.0	23.00
1987	0	0.0	0.00	0.0	1 0.3	1.52	1	0.2	1.52
1988	4	2.2	52.00	0.3	4 1.0	10.52	4	1.4	62.52
1989	15	5.4	183.00	0.9	0 0.0	0.00	15	2.3	183.00
TOTAL	30	2.9	375.00	0.3	10 0.6	39.52	40	1.9	414.52
BLUEGILL	1977	0	0.0	0.00	0.0	3 1.2	3	0.9	1.33
1978	2	1.8	22.00	0.5	0 0.0	0.00	2	1.3	22.00
1982	1	2.3	11.00	0.1	0 0.0	0.00	1	1.5	11.00
1983	5	16.7	430.00	2.9	0 0.0	0.00	5	6.1	230.00
1984	3	3.3	38.14	0.5	0 0.0	0.00	3	2.5	38.14
1985	5	3.6	49.00	0.1	0 0.0	0.00	5	2.6	49.00
1987	2	1.4	5.13	0.1	14 4.4	5.35	16	3.4	11.48
1989	6	2.1	147.00	0.7	0 0.0	0.00	6	0.9	147.00
TOTAL	24	2.6	503.27	0.6	17 1.5	6.68	41	2.0	509.95
CENTRAL LONGEAR SUNFISH	1977	1	1.4	8.25	0.1	0 0.0	1	0.3	8.25
TOTAL	1	1.4	8.25	0.1	0 0.0	0.00	1	0.3	8.25
LONGEAR SUNFISH	1977	3	4.1	51.00	0.3	0 0.0	3	0.9	51.00
1978	23	21.1	340.96	8.7	0 0.0	0.00	23	14.7	340.96
1979	15	22.2	219.72	6.9	0 0.0	0.00	16	6.2	219.72
1981	2	2.6	45.00	0.3	0 0.0	0.00	2	1.7	45.00
1982	7	15.9	78.21	0.5	0 0.0	0.00	7	10.6	78.21
1984	18	19.6	187.25	2.5	0 0.0	0.00	18	15.3	187.25
1985	22	20.2	229.87	3.9	3 2.2	46.47	25	10.3	276.34
1986	17	12.4	427.08	3.9	1 1.9	1.87	18	9.4	428.95
1987	31	21.7	457.27	5.8	9 2.8	139.70	40	8.6	596.97
1988	25	14.0	608.00	5.9	22 5.5	52.14	47	0.1	660.14
1989	47	14.8	620.79	3.0	10 2.8	37.87	57	3.6	658.66
TOTAL	211	14.0	3265.08	2.6	45 2.5	278.05	256	8.2	3543.13
UNIDENTIFIED SUNFISH	1981	1	0.0	0.00	0.0	1 2.7	1	0.9	0.23
TOTAL	1	0.0	0.00	0.0	1 2.7	0.23	1	0.9	0.23
SMALLMOUTH BASS	1977	17	23.4	3966.92	25.2	2 0.8	19	5.9	3990.61
1978	16	14.7	722.95	18.4	0 0.0	0.00	16	10.3	722.95
1979	10	13.9	458.16	14.3	1 0.8	3.47	11	5.6	461.63
1981	13	16.7	3489.00	19.5	0 0.0	0.00	13	11.3	3489.00
1982	4	9.1	1661.00	10.9	0 0.0	0.00	4	6.1	1661.00
1983	5	16.7	1187.06	14.8	0 0.0	0.00	5	6.1	1187.06
1984	11	12.0	548.00	7.2	0 0.0	0.00	11	9.3	548.00
1985	16	14.7	1519.00	25.0	2 1.5	12.66	18	7.4	1532.66
1986	13	9.5	1292.00	11.7	0 0.0	0.00	13	6.6	1292.00
1987	11	7.7	776.00	9.9	0 0.0	0.00	11	2.4	776.00
1988	71	39.7	1441.21	9.2	28 7.0	175.78	99	17.0	1617.01
1989	51	18.2	2052.05	10.0	7 1.8	83.76	58	8.7	2135.81
TOTAL	238	17.7	19113.41	14.4	40 2.2	300.36	278	8.7	19413.77
LARGEMOUTH BASS	1977	1	0.7	201.00	1.3	0 0.0	1	0.2	201.00
1978	2	1.8	5.43	0.1	0 0.0	0.00	2	1.3	5.43
1979	0	0.0	0.00	0.0	1 0.8	3.29	1	0.5	3.29
1982	0	0.0	0.00	0.0	3 13.6	4.01	3	4.5	4.01
1984	2	2.2	34.00	0.4	0 0.0	0.00	2	1.7	34.00
1985	1	0.9	455.00	7.5	5 3.7	12.56	6	2.5	467.56
1986	4	2.9	223.00	2.0	0 0.0	0.00	4	2.1	223.00
1987	3	2.1	184.00	2.1	2 0.6	16.62	5	1.6	180.62
1989	2	0.7	99.94	0.5	1 0.3	2.18	3	0.5	102.12
TOTAL	15	1.4	1160.37	1.3	12 0.5	38.66	27	1.1	1221.03
WHITE CRAPPIE	1977	1	0.7	65.00	0.4	3 1.2	4	1.1	65.62
1979	1	1.0	54.00	1.7	8 6.5	4.27	9	4.6	58.27
1981	2	2.6	160.00	0.9	2 5.4	0.70	4	3.5	160.70
1982	2	4.5	370.00	2.4	2 9.1	1.19	4	6.1	371.19
1984	1	1.1	113.00	1.5	0 0.0	0.00	1	0.8	113.00
TOTAL	7	1.6	762.00	1.3	15 3.3	6.78	22	2.6	768.78
BLACK CRAPPIE	1977	1	0.7	64.00	0.4	0 0.0	1	0.2	64.00
1978	1	0.9	69.00	1.8	2 4.3	1.83	3	1.9	70.83
1979	0	0.0	0.00	0.0	3 2.4	1.94	3	1.5	1.94
1982	1	2.3	14.00	0.1	4 18.2	2.69	5	7.6	20.69
TOTAL	3	0.8	151.00	0.4	9 2.0	6.46	12	1.6	157.46
JOHNNY DARTER	1977	0	0.0	0.00	0.0	1 0.4	1	0.1	0.33
1978	0	0.0	0.00	0.0	1 2.1	0.53	1	0.1	0.53
1979	0	0.0	0.00	0.0	1 0.8	0.11	1	0.1	0.11
1985	0	0.0	0.00	0.0	1 0.7	0.23	1	0.4	0.23
1986	0	0.0	0.00	0.0	3 9.6	0.73	3	1.6	0.73
1987	0	0.0	0.00	0.0	1 0.3	0.29	1	0.2	0.29
1988	0	0.0	0.00	0.0	7 0.5	0.60	2	0.3	0.60
TOTAL	0	0.0	0.00	0.0	7 0.8	2.82	10	0.5	2.82
BARBED DARTER	1977	0	0.0	0.00	0.0	1 0.4	1	0.3	0.19
1986	1	0.6	0.28	0.0	0 0.0	0.00	1	0.2	0.28
TOTAL	1	0.4	0.28	0.0	1 0.2	0.19	2	0.2	0.47
LOG PERCH	1988	16	8.9	42.19	0.3	1 0.2	17	2.9	44.51
1989	15	5.4	113.91	0.4	0 0.0	0.00	15	2.3	113.91
TOTAL	31	6.8	156.10	0.4	1 0.1	2.32	32	2.6	156.42
BLACKSIDE DARTER	1979	0	0.0	0.00	0.0	1 0.8	1	0.5	0.52
1985	0	0.0	0.00	0.0	2 2.2	2.71	3	1.2	2.71
1986	0	0.0	0.00	0.0	1 1.9	3.69	1	0.5	3.69
1987	0	0.0	0.00	0.0	1 0.3	0.70	1	0.2	0.70
1988	0	0.0	0.00	0.0	1 0.2	1.35	1	0.2	1.35
1989	0	0.0	0.00	0.0	1 0.3	0.67	1	0.2	0.67
TOTAL	0	0.0	0.00	0.0	8 0.6	9.64	8	0.3	9.64
SLENDERHEAD DARTER	1985	0	0.0	0.00	0.0	3 2.2	3	1.2	3.93
1986	0	0.0	0.00	0.0	1 1.9	1.84	1	0.5	1.84
1988	2	1.1	2.61	0.0	0 0.0	0.00	2	0.3	2.61
1989	9	3.2	21.48	0.1	1 0.3	2.19	10	1.5	23.67
TOTAL	11	1.6	24.09	0.1	5 0.5	7.96	16	1.0	32.05

APPENDIX D-7 (CONT.) TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 46 OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88, AND JULY/AUGUST 1989.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	
WALLEYE	1977	1	0.7	20.00	0.1	0	0.0	0.00	0.0	1	0.2	20.00	0.1
	TOTAL	1	0.7	20.00	0.1	0	0.0	0.00	0.0	1	0.2	20.00	0.1
FRESHWATER DRUM	1984	1	1.1	425.00	5.6	0	0.0	0.00	0.0	1	0.6	425.00	5.6
	1989	1	0.4	340.00	1.7	0	0.0	0.00	0.0	1	0.2	340.00	1.7
	TOTAL	2	0.5	765.00	2.7	0	0.0	0.00	0.0	2	0.3	765.00	2.7

APPENDIX D-8. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 51 OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88, AND JULY/AUGUST 1989.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	
LONGHOSE GAR	1977	2	0.6	145.00	0.4	0	0.0	0.00	0.0	2	0.2	145.00	0.4
	1978	1	0.2	33.00	0.1	0	0.0	0.00	0.0	1	0.2	33.00	0.1
	1979	1	0.5	35.00	0.2	0	0.0	0.00	0.0	1	0.3	35.00	0.2
	1981	1	0.5	4.00	0.0	0	0.0	0.00	0.0	1	0.3	4.00	0.0
	1984	2	1.8	164.00	0.7	0	0.0	0.00	0.0	2	0.8	164.00	0.7
	1986	1	0.5	25.00	0.2	4	0.2	68.00	3.6	5	0.2	93.00	0.5
	1988	0	0.0	0.00	0.0	1	0.9	1.09	0.2	1	0.2	1.09	0.0
	1989	15	1.9	457.00	2.5	0	0.0	0.00	0.0	15	1.1	457.00	2.4
	1989	7	1.0	23.77	0.1	0	0.0	0.00	0.0	7	0.6	23.77	0.1
	TOTAL	30	6.9	866.77	0.4	5	0.1	67.09	1.2	35	0.4	935.86	0.4
BOWFIN	1978	1	0.2	50.00	0.3	0	0.0	0.00	0.0	1	0.2	50.00	0.3
	1981	3	1.4	320.00	1.1	0	0.0	0.00	0.0	3	1.0	320.00	1.0
	1982	2	2.2	1510.00	6.6	0	0.0	0.00	0.0	2	1.3	1510.00	6.5
	1987	2	0.6	1465.00	6.6	0	0.0	0.00	0.0	2	0.3	1465.00	6.5
	1989	1	0.1	42.00	0.1	1	0.2	56.54	7.6	2	0.2	98.54	0.2
	TOTAL	9	0.3	3387.00	2.5	1	0.1	56.54	2.5	10	0.3	3443.54	2.5
GIZZARD SHAD	1977	114	34.5	1807.14	7.0	41	4.6	79.74	13.1	155	12.9	1776.88	7.1
	1978	200	62.2	2274.95	12.8	3	4.5	39.71	12.0	203	37.5	2314.66	12.7
	1979	10	5.3	1344.70	8.5	0	0.0	0.00	0.0	10	3.4	1344.70	8.5
	1981	14	6.4	807.00	2.0	1	1.1	2.42	0.3	15	6.9	809.42	2.0
	1982	16	29.2	1841.25	2.0	1	1.5	4.97	6.7	17	17.1	1846.22	6.0
	1983	25	21.9	4637.23	20.7	0	0.0	0.00	0.0	25	10.1	4637.23	20.7
	1984	34	23.0	4065.77	22.1	0	0.0	0.00	0.0	34	6.7	4065.77	21.9
	1985	37	19.8	4873.11	29.4	0	0.0	0.00	0.0	37	1.6	4873.11	26.4
	1986	74	19.7	7855.13	19.7	4	3.8	8.50	1.8	78	16.2	7863.63	39.0
	1987	75	22.8	8008.74	1.2	0	0.0	0.00	0.0	75	9.4	8008.74	25.7
	1989	398	51.7	8061.44	44.2	8	1.4	62.43	9.2	406	30.2	8124.09	41.0
	1989	70	10.5	5611.63	12.7	0	0.0	0.00	0.0	70	6.0	5611.63	12.5
	TOTAL	1077	27.7	51117.39	18.6	56	1.1	197.99	7.1	1133	12.1	51315.38	18.3
GRASS PICKEREL	1977	3	0.9	49.00	0.2	0	0.0	0.00	0.0	3	0.2	49.00	0.2
	1978	9	1.9	163.25	0.9	2	1.0	13.55	4.1	11	2.0	176.80	1.0
	1979	2	1.1	23.00	0.1	0	0.0	0.00	0.0	2	0.7	23.00	0.1
	1981	6	3.7	71.00	0.2	1	1.1	8.22	1.0	7	2.3	79.22	0.3
	1983	1	0.9	8.00	0.0	0	0.0	0.00	0.0	1	0.4	8.00	0.0
	1984	1	0.7	11.00	0.1	1	0.3	16.98	9.3	2	0.4	27.98	0.2
	1986	5	1.3	28.68	0.1	6	5.7	46.27	9.9	11	2.3	76.95	0.4
	1987	0	0.0	0.00	0.0	1	0.9	11.48	3.8	1	0.1	11.48	0.1
	1989	1	0.1	2.74	0.0	0	0.0	0.00	0.0	1	0.1	2.74	0.0
	TOTAL	28	1.0	356.77	0.2	11	0.4	96.64	2.6	39	0.7	453.41	0.2
NORTHERN PIKE	1978	2	0.4	46.00	0.3	0	0.0	0.00	0.0	2	0.4	46.00	0.3
	1979	0	0.0	0.00	0.0	1	1.0	30.00	10.9	1	0.3	30.00	0.2
	1981	2	0.9	130.00	0.4	2	2.3	105.00	13.7	4	1.3	235.00	0.8
	1982	1	1.1	530.00	2.3	0	0.0	0.00	0.0	1	0.6	530.00	2.3
	1983	2	1.8	444.00	1.9	0	0.0	0.00	0.0	2	0.8	444.00	1.9
	1984	1	0.7	36.00	0.2	0	0.0	0.00	0.0	1	0.2	36.00	0.2
CENTRAL STONEWALL	1982	0	0.0	0.00	0.0	1	1.5	1.96	0.9	1	0.6	0.96	0.0
	1983	0	0.0	0.00	0.0	1	0.7	0.51	0.7	1	0.4	0.51	0.0
GOLDFISH	1981	1	0.5	165.00	0.5	0	0.0	0.00	0.0	1	0.3	165.00	0.5
	1989	1	0.1	74.00	0.2	0	0.0	0.00	0.0	1	0.1	74.00	0.2
RUDD	1989	2	0.3	99.14	0.2	0	0.0	0.00	0.0	2	0.2	99.14	0.2
	TOTAL	2	0.3	99.14	0.2	0	0.0	0.00	0.0	2	0.2	99.14	0.2
CARP	1977	18	5.6	11005.00	45.3	0	0.0	0.00	0.0	18	1.5	11005.00	44.2
	1978	16	3.4	4091.00	22.9	1	1.5	73.80	22.2	17	3.1	4164.80	22.9
	1979	6	3.2	4180.00	25.6	0	0.0	0.00	0.0	6	2.1	4180.00	25.2
	1981	17	7.7	11543.09	36.0	2	2.3	366.24	45.2	19	6.2	11909.33	36.2
	1982	7	7.9	6420.00	27.9	0	0.0	0.00	0.0	7	4.5	6420.00	27.7
	1983	6	7.0	2380.46	10.2	0	0.0	0.00	0.0	6	2.2	2380.46	10.2
	1984	6	5.4	2167.00	11.9	0	0.0	0.00	0.0	6	1.6	2167.00	11.8
	1985	2	1.1	3237.00	19.5	0	0.0	0.00	0.0	2	0.1	3237.00	19.5
	1986	2	0.5	44.00	0.2	1	2.9	0.71	0.1	3	0.6	44.71	0.2
	1987	7	2.1	3112.00	14.1	0	0.0	0.00	0.0	7	0.9	3112.00	13.9
	1988	22	2.9	1522.61	8.4	1	0.2	24.93	3.6	23	1.7	1547.54	8.2
	1989	28	4.2	15307.66	34.6	0	0.0	0.00	0.0	28	2.4	15307.66	34.0
	TOTAL	141	3.6	65030.62	23.7	5	0.1	465.68	7.2	146	1.6	65496.30	23.3
SILVERJAW MINNOW	1987	0	0.0	0.00	0.0	1	0.2	0.08	0.0	1	0.1	0.08	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.2	0.08	0.0	1	0.1	0.08	0.0
HORRYHEAD CHUB	1977	0	0.0	0.00	0.0	1	0.1	0.22	0.0	1	0.1	0.22	0.0
	1982	0	0.0	0.00	0.0	1	0.7	0.22	0.3	1	0.4	0.22	0.0
	1984	0	0.0	0.00	0.0	1	0.3	0.04	0.0	1	0.2	0.04	0.0
	1985	0	0.0	0.00	0.0	2	0.1	1.01	0.1	2	0.1	1.01	0.0
	1987	0	0.0	0.00	0.0	1	0.2	0.10	0.0	1	0.1	0.10	0.0
	TOTAL	0	0.0	0.00	0.0	6	0.1	1.59	0.1	6	0.1	1.59	0.0

APPENDIX D-8 (CONT.) TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BROADHOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88, AND JULY/AUGUST 1989.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	NO.	WT (G)	NO.	NO.	WT (G)	NO.	NO.	WT (G)
FALLID CHUB	1979	0	0.0	0	0.0	1.99	0	0.0	1.99
	1981	0	0.0	0	0.0	0.56	0	0.0	0.56
	1982	0	0.0	0	0.0	0.62	0	0.0	0.62
	1983	0	0.0	0	0.0	0.46	0	0.0	0.46
	1984	0	0.0	0	0.0	4.97	0	0.0	4.97
	1985	1	0.5	0	0.0	1.30	1	0.5	1.30
	1986	0	0.0	0	0.0	0.54	0	0.0	0.54
TOTAL	1	0.1	0.63	0	0.0	16.44	1	0.1	15.07
GOLDEN SHINER	1977	2	0.6	45	0.0	0.00	2	0.2	45.00
	1978	3	1.1	47	1.1	1.18	6	1.1	49.19
	1979	3	2.6	61	0.2	0.98	11	3.8	66.00
	1981	1	0.5	50	0.2	0.27	2	0.7	50.27
	1982	1	1.1	7	0.0	4.09	1	1.1	11.37
	1983	1	0.9	7	0.0	0.00	1	0.9	7.46
	1984	3	2.0	26	0.2	0.00	3	2.2	28.00
	1985	2	1.1	39	0.2	0.35	3	1.4	45.15
	1986	1	0.3	2	0.0	0.00	1	0.3	2.48
	1987	4	1.2	32	0.4	0.00	4	1.6	32.84
	1988	2	0.3	10	0.0	0.00	2	0.3	10.00
	1989	1	1.0	106	0.2	0.00	1	1.0	106.77
TOTAL	34	0.9	498.10	13	0.2	16.45	47	0.9	514.55
EMERALD SHALER	1977	1	0.3	4	0.0	0.00	1	0.3	4.37
	1981	0	0.0	0	0.0	0.44	0	0.0	0.44
	1985	0	0.0	0	0.0	0.08	0	0.0	0.08
TOTAL	1	0.1	4.37	0	0.0	0.52	1	0.1	4.89
GHOST SHINER	1941	0	0.0	0	0.0	0.46	0	0.0	0.46
	1989	3	0.4	2	0.0	0.00	3	0.4	2.13
TOTAL	3	0.3	2.13	0	0.0	0.46	3	0.3	2.59
STRIPED SHINER	1978	0	0.0	0	0.0	1.65	0	0.0	1.65
	1979	0	0.0	10	0.0	1.69	10	0.0	1.69
	1982	0	0.0	1	0.0	0.42	1	0.0	0.42
	1983	0	0.0	1	0.0	0.42	1	0.0	0.42
	1984	0	0.0	1	0.0	0.29	1	0.0	0.29
	1985	0	0.0	84	3.8	24.70	84	3.8	24.70
	1986	2	0.5	10	0.0	0.00	2	0.5	10.90
	1987	0	0.0	4	0.0	1.59	4	0.0	1.59
	1988	6	0.8	89	15.5	36.63	95	16.3	46.68
	1989	9	1.3	42	0.4	3.59	11	0.9	45.83
	TOTAL	17	0.5	63.19	0.2	71.14	220	2.8	134.37
RED SHINER	1981	2	0.9	6	0.0	0.00	2	0.7	6.50
	1985	0	0.0	0	0.0	2.03	0	0.0	2.03
TOTAL	2	0.5	6.50	1	0.0	2.03	3	0.1	8.53
ROSYFACE SHINER	1977	0	0.0	11	1.2	3.63	11	0.9	3.63
	1979	0	0.0	12	1.9	3.34	12	1.2	3.34
	1982	1	1.1	0	0.0	0.00	1	0.6	0.69
	1983	7	6.1	3	0.0	0.00	7	2.8	3.70
	1984	0	0.0	19	4.2	1.36	19	3.0	1.36
	1985	4	2.1	10	0.5	0.92	14	0.6	2.26
	1987	3	0.8	0	0.0	0.00	3	0.4	6.07
	1988	4	0.5	0	0.0	0.00	4	0.3	3.74
	TOTAL	19	0.9	15.34	0.0	9.25	67	1.0	24.79
SPOTFIN SHINER	1977	6	1.9	59	6.7	27.99	65	5.4	43.64
	1978	2	0.4	0	0.0	0.00	2	0.4	6.93
	1979	1	0.5	16	15.8	16.19	17	5.9	17.93
	1981	1	0.5	7	8.0	5.53	8	2.6	6.55
	1982	0	0.0	1	0.0	0.00	1	0.6	0.08
	1983	5	4.4	1	0.0	1.79	6	2.4	17.63
	1984	1	0.7	6	2.2	4.43	7	1.8	5.59
	1985	11	5.8	96	4.5	16.96	109	4.6	61.03
	1986	2	0.5	4	1.6	0.09	6	1.2	6.45
	1987	17	5.2	90	19.2	12.78	107	13.4	44.45
	1988	7	0.9	50	6.7	9.09	57	4.2	29.90
	1989	2	0.3	11	2.2	1.20	13	1.1	1.48
TOTAL	55	1.4	157.27	345	6.2	96.13	400	4.3	253.70
SAND SHINER	1977	0	0.0	53	6.0	9.74	53	4.4	9.58
	1978	0	0.0	1	1.5	0.14	1	0.2	0.12
	1979	0	0.0	1	1.0	0.77	1	0.3	0.77
	1983	0	0.0	5	3.7	2.25	5	2.0	2.25
	1984	0	0.0	1	0.3	0.11	1	0.2	0.11
	1985	0	0.0	295	13.5	46.62	295	12.4	46.62
	1986	0	0.0	8	7.5	0.37	8	1.7	0.37
	1987	1	1.0	48	10.2	14.62	53	6.6	19.45
	1988	2	0.3	220	38.3	50.39	222	16.5	53.65
	1989	1	0.1	2	0.4	0.44	3	0.3	1.25
TOTAL	8	0.2	6.92	634	11.8	125.27	642	7.2	134.19
REDFIN SHINER	1977	0	0.0	4	0.5	0.47	4	0.3	0.47
	1982	1	1.1	0	0.0	0.00	1	0.6	1.93
	1985	0	0.0	0	0.0	0.14	0	0.0	0.14
TOTAL	1	0.2	1.93	5	0.2	0.61	6	0.2	2.54
MIMIC SHINER	1977	0	0.0	1	0.1	0.19	1	0.1	0.19
	1981	0	0.0	1	1.1	0.17	1	0.3	0.17
	1989	4	0.6	0	0.0	0.00	4	0.3	4.03
TOTAL	4	0.3	4.03	2	0.1	0.16	6	0.2	4.35
SUCKERHOOTH MINNOW	1978	0	0.0	2	3.0	0.46	2	0.4	0.96
	1981	0	0.0	1	1.1	0.23	1	0.3	0.23
	1983	0	0.0	3	2.2	1.39	3	1.2	1.39
	1984	0	0.0	7	2.0	1.62	7	1.4	1.62
	1985	0	0.0	13	0.4	9.29	13	0.5	9.29
	1987	1	0.3	2	0.6	2.59	4	0.5	3.70
	1988	3	0.4	2	0.3	2.24	5	0.4	5.23
	1989	0	0.0	1	0.2	7.62	1	0.1	0.62
	TOTAL	4	0.1	32	0.7	18.64	36	0.5	22.74
BLUNTNOSE MINNOW	1977	6	1.9	130	14.7	79.77	136	11.3	90.67
	1978	28	5.9	11	16.4	10.65	39	7.2	84.27
	1979	5	2.6	18	17.8	14.28	23	7.9	30.67
	1981	1	0.5	15	17.2	8.87	16	5.2	11.87
	1982	0	0.0	12	17.9	9.07	12	7.7	9.07
	1983	3	2.6	64	47.8	21.11	67	27.0	35.91
	1984	4	2.7	58	16.2	36.51	62	12.3	45.09
	1985	9	4.8	1291	59.1	946.89	1300	54.0	961.38
	1986	11	2.9	25	23.6	22.71	36	7.5	61.29
	1987	24	7.3	57	18.1	37.78	109	13.7	95.46
	1988	27	3.5	94	16.3	31.30	121	9.0	96.79
	1989	14	2.1	304	61.9	54.41	318	27.4	84.44
TOTAL	132	3.4	321.56	2107	36.1	1275.37	2239	23.8	1596.93

APPENDIX D-8 (CONT.) TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 54 OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88, AND JULY/AUGUST 1989.

SPECIES	ELECTROFISHING				SEINING				TOTAL			
	NO.	NO.	WT (G)	WT (G)	NO.	NO.	WT (G)	WT (G)	NO.	NO.	WT (G)	WT (G)
FATHEAD MINNOW	1985	0	0.0	0.00	0.0	1	0.0	0.30	0.0	1	0.0	0.30
	1986	0	0.0	0.00	0.0	1	0.0	0.57	0.1	1	0.2	0.57
	1989	0	0.0	0.00	0.0	1	0.2	1.95	0.2	1	0.1	1.95
TOTAL		0	0.0	0.00	0.0	3	0.1	2.82	0.3	3	0.3	2.82
BULLHEAD MINNOW	1977	11	5.3	39.50	0.2	222	25.1	97.72	16.3	233	30.4	137.22
	1978	1	0.2	1.07	0.0	0	0.0	0.00	0.0	1	0.2	1.07
	1979	3	1.8	9.22	0.1	3	3.0	1.45	0.5	6	2.1	10.67
	1981	0	0.0	0.00	0.0	16	6.9	2.82	0.3	16	2.0	2.82
	1983	2	1.8	8.76	0.0	9	6.1	1.01	1.5	11	4.4	7.77
	1985	0	0.0	0.00	0.0	193	53.9	20.73	11.4	193	36.1	20.73
	1986	1	0.3	30.45	0.2	131	4.0	136.22	7.2	132	5.9	166.67
	1987	1	0.3	0.69	0.0	0	0.0	0.00	0.0	1	0.3	0.69
	1988	21	6.4	27.89	0.1	191	40.7	26.70	12.1	212	26.6	64.59
	1989	13	1.7	39.54	0.2	4	0.7	0.39	0.1	17	1.3	39.97
	1989	3	0.4	3.55	0.0	22	6.5	6.13	0.8	25	1.0	9.68
TOTAL		69	1.8	156.71	0.1	791	14.5	303.19	4.8	860	9.3	161.90
CREEK CHUB	1983	0	0.0	0.00	0.0	2	1.5	0.73	1.1	2	0.6	0.73
	1985	0	0.0	0.00	0.0	2	0.1	0.51	0.0	2	0.1	0.51
TOTAL		0	0.0	0.00	0.0	4	0.2	1.24	0.1	4	0.2	1.24
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	262	31.9	18.43	3.1	262	23.4	18.43
	1983	0	0.0	0.00	0.0	3	2.2	0.15	0.2	3	1.2	0.15
	1984	0	0.0	0.00	0.0	2	0.6	0.12	0.1	2	0.4	0.12
TOTAL		0	0.0	0.00	0.0	267	20.9	18.70	2.2	267	14.7	18.70
BULLBACK	1977	6	1.9	936.15	3.9	1	0.1	7.14	1.2	7	0.6	943.29
	1978	16	3.4	5345.81	30.0	0	0.0	0.00	0.0	16	3.0	5345.81
	1979	6	3.2	2101.41	12.9	0	0.0	0.00	0.0	6	2.1	2101.41
	1981	8	3.6	2910.00	9.6	0	0.0	0.00	0.0	8	2.6	2910.00
	1983	15	16.9	7270.00	31.6	0	0.0	0.00	0.0	15	9.6	7270.00
	1985	18	15.1	10441.06	44.8	0	0.0	0.00	0.0	18	7.3	10441.06
	1986	12	8.1	6960.00	37.9	0	0.0	0.00	0.0	12	2.4	6960.00
	1987	4	2.1	2750.00	16.6	0	0.0	0.00	0.0	4	0.2	2750.00
	1988	4	1.1	929.91	4.7	3	2.8	9.99	2.1	7	1.5	929.91
	1989	3	0.9	1553.70	7.0	0	0.0	0.00	0.0	3	0.4	1553.70
	1989	12	1.6	889.46	4.7	16	2.8	44.70	4.1	28	2.1	889.46
	1989	16	2.4	5695.71	12.9	0	0.0	0.00	0.0	16	1.4	5695.71
TOTAL		120	3.1	17162.71	17.4	20	0.4	61.83	1.0	140	1.5	17624.54
WHITE SUCKER	1974	1	0.2	7.00	0.0	0	0.0	0.00	0.0	1	0.2	7.00
	1979	1	0.5	252.00	1.5	0	0.0	0.00	0.0	1	0.3	252.00
	1983	1	1.1	14.59	0.1	0	0.0	0.00	0.0	1	0.6	14.59
	1985	1	0.9	85.00	0.3	0	0.0	0.00	0.0	1	0.4	85.00
	1989	0	0.0	0.00	0.0	1	0.0	3.50	0.2	1	0.0	3.50
	1989	1	0.3	430.00	2.2	0	0.0	0.00	0.0	1	0.2	430.00
TOTAL		5	0.3	768.59	0.7	1	0.0	3.50	0.1	6	0.1	772.09
NORTHERN HOGSUCKER	1977	1	0.3	267.00	1.1	0	0.0	0.00	0.0	1	0.1	267.00
	1981	2	0.9	715.00	2.4	0	0.0	0.00	0.0	2	0.7	715.00
	1982	2	2.2	920.00	4.0	0	0.0	0.00	0.0	2	1.3	920.00
	1983	2	1.8	1080.00	4.6	0	0.0	0.00	0.0	2	0.8	1080.00
	1984	1	0.7	240.00	1.3	0	0.0	0.00	0.0	1	0.2	240.00
	1986	1	0.3	34.00	0.2	0	0.0	0.00	0.0	1	0.2	34.00
	1988	2	0.3	1193.00	4.5	0	0.0	0.00	0.0	2	0.1	1193.00
TOTAL		11	0.5	4469.00	2.8	0	0.0	0.00	0.0	11	0.3	4469.00
SHALLOUTH BUFFALO	1988	1	0.1	284.00	1.6	0	0.0	0.00	0.0	1	0.1	284.00
	1989	6	0.9	347.55	0.8	3	0.6	3.41	0.5	9	0.6	351.36
TOTAL		7	0.5	631.55	1.0	3	0.3	3.41	0.3	10	0.4	635.36
BIGMOUTH BUFFALO	1974	2	0.4	426.00	2.4	0	0.0	0.00	0.0	2	0.4	426.00
	1979	1	0.5	465.00	2.8	0	0.0	0.00	0.0	1	0.3	465.00
	1981	1	0.5	400.00	1.3	0	0.0	0.00	0.0	1	0.1	400.00
	1983	3	2.6	1486.00	6.4	0	0.0	0.00	0.0	3	1.2	1486.00
TOTAL		7	0.7	2777.00	3.2	0	0.0	0.00	0.0	7	0.5	2777.00
SPOTTED SUCKER	1978	1	0.2	42.00	0.2	0	0.0	0.00	0.0	1	0.2	42.00
	1981	1	0.5	510.00	1.7	0	0.0	0.00	0.0	1	0.3	510.00
	1986	2	0.5	39.44	0.2	0	0.0	0.00	0.0	2	0.4	39.44
	1989	7	1.0	466.00	1.1	0	0.0	0.00	0.0	7	0.6	466.00
TOTAL		11	0.6	1057.44	0.9	0	0.0	0.00	0.0	11	0.4	1057.44
SILVER REDHORSE	1978	2	0.4	106.00	0.6	0	0.0	0.00	0.0	2	0.4	106.00
	1979	2	1.1	256.00	1.6	0	0.0	0.00	0.0	2	0.7	256.00
	1981	1	0.5	9.00	0.0	0	0.0	0.00	0.0	1	0.3	9.00
	1982	2	2.2	1415.00	5.1	0	0.0	0.00	0.0	2	1.3	1415.00
	1983	1	0.9	24.00	0.1	0	0.0	0.00	0.0	1	0.4	24.00
	1984	1	0.7	600.00	3.3	0	0.0	0.00	0.0	1	0.2	600.00
	1985	9	4.8	524.45	3.2	11	0.5	37.59	2.0	20	0.8	562.04
	1986	3	0.8	198.00	1.0	0	0.0	0.00	0.0	3	0.6	198.00
	1988	8	1.0	116.53	0.6	1	0.2	2.00	0.3	9	0.7	118.53
	1989	1	0.1	56.00	0.1	0	0.0	0.00	0.0	1	0.1	56.00
TOTAL		30	0.9	3304.98	1.4	12	0.3	39.59	0.7	42	0.6	3344.57
RIVER REDHORSE	1977	7	2.2	430.00	1.8	0	0.0	0.00	0.0	7	0.6	430.00
	1979	5	2.6	455.00	2.8	0	0.0	0.00	0.0	5	1.7	455.00
	1981	2	0.9	840.00	2.8	0	0.0	0.00	0.0	2	0.7	840.00
	1986	8	2.1	210.00	1.1	0	0.0	0.00	0.0	8	1.7	210.00
	1989	2	0.3	5216.00	11.8	0	0.0	0.00	0.0	2	0.2	5216.00
TOTAL		24	1.4	7151.00	5.3	0	0.0	0.00	0.0	24	0.7	7151.00
BLACK REDHORSE	1988	1	0.1	4.38	0.0	0	0.0	0.00	0.0	1	0.1	4.38
TOTAL		1	0.1	4.38	0.0	0	0.0	0.00	0.0	1	0.1	4.38
GOLDEN REDHORSE	1977	6	1.9	1096.00	4.5	0	0.0	0.00	0.0	6	0.5	1096.00
	1978	6	1.3	743.00	4.2	0	0.0	0.00	0.0	6	1.1	743.00
	1979	12	6.3	1072.00	6.6	0	0.0	0.00	0.0	12	4.1	1072.00
	1981	7	3.2	2072.00	6.8	0	0.0	0.00	0.0	7	2.3	2072.00
	1982	9	10.1	1520.00	6.6	0	0.0	0.00	0.0	9	2.8	1520.00
	1983	1	0.9	130.00	0.6	0	0.0	0.00	0.0	1	0.4	130.00
	1984	11	7.4	261.33	1.2	0	0.0	0.00	0.0	11	2.2	261.33
	1985	9	4.8	576.36	3.5	86	3.9	108.12	5.7	95	4.0	684.48
	1986	23	6.1	762.24	4.0	0	0.0	0.00	0.0	23	4.8	762.24
	1987	16	4.9	1284.87	5.8	0	0.0	0.00	0.0	16	2.0	1284.87
	1988	6	0.4	179.70	1.0	0	0.0	0.00	0.0	6	0.4	179.70
	1989	15	2.2	1290.63	2.9	0	0.0	0.00	0.0	15	1.3	1290.63
TOTAL		121	3.1	10988.43	4.0	86	1.8	108.12	7	207	2.2	11096.55

APPENDIX D-8 (CONT.), TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES	ELECTROFISHING				SEINING				TOTAL		
	NO.	SNOW	WT (G)	SNOW	NO.	SNOW	WT (G)	SNOW	NO.	SNOW	WT (G)
SHORTHEAD REDHORSE	1977	5	1.6	390.00	1.6	0	0.0	0.00	5	0.4	390.00
	1978	10	2.1	581.00	3.8	0	0.0	0.00	10	1.8	581.00
	1979	4	2.1	562.00	2.2	0	0.0	0.00	4	1.4	562.00
	1981	8	3.6	2914.00	9.6	0	0.0	0.00	8	2.6	2914.00
	1985	4	2.1	502.97	1.8	0	0.0	0.00	4	0.3	510.17
	1986	11	2.9	362.91	1.8	0	0.0	0.00	11	2.3	362.91
	1988	29	3.6	257.00	1.4	0	0.0	0.00	29	2.2	257.00
	1989	2	0.3	99.00	0.2	0	0.0	0.00	2	0.2	99.00
TOTAL	73	2.3	5369.88	2.9	4	0.1	6.20	0.1	77	1.0	5376.08
UNIDENTIFIED REDHORSE	1977	2	0.6	7.40	0.0	2	0.2	4.67	4	0.3	12.07
	1978	4	0.8	4.49	0.0	0	0.0	0.00	4	0.7	4.49
	1981	0	0.0	0.00	0.0	1	1.1	0.24	1	0.3	0.24
	1982	0	0.0	0.00	0.0	2	3.0	1.90	2	1.3	1.90
	1983	0	0.0	0.00	0.0	1	0.7	0.80	1	0.4	0.80
	TOTAL	6	0.5	11.89	6.0	4	0.5	7.61	12	0.5	19.70
BLACK BULLHEAD	1981	1	0.5	121.00	0.4	0	0.0	0.00	1	0.3	121.00
	1985	1	0.5	53.00	0.3	0	0.0	0.00	1	0.0	53.00
	1986	1	0.3	97.00	0.5	0	0.0	0.00	1	0.2	97.00
	1989	16	2.4	1202.00	2.7	0	0.0	0.00	16	1.4	1202.00
	TOTAL	19	1.3	1473.00	1.3	0	0.0	0.00	19	0.4	1473.00
YELLOW BULLHEAD	1984	1	0.7	200.00	1.1	0	0.0	0.00	1	0.2	200.00
	1989	7	1.0	450.00	1.0	0	0.0	0.00	7	0.6	450.00
	TOTAL	8	1.0	650.00	1.0	0	0.0	0.00	8	0.5	650.00
CHANNEL CATFISH	1977	1	0.3	1245.00	5.1	0	0.0	0.00	1	0.1	1245.00
	1978	1	0.2	940.00	5.3	0	0.0	0.00	1	0.2	940.00
	1982	1	1.1	450.00	2.0	0	0.0	0.00	1	0.6	450.00
	1983	0	0.0	0.00	0.0	1	0.7	1.58	1	0.4	1.58
	1986	0	0.0	0.00	0.0	1	0.9	1.40	1	0.2	1.40
	1988	1	0.1	1180.40	6.5	0	0.0	0.00	1	0.1	1180.40
	TOTAL	4	0.2	3815.40	3.0	2	0.1	2.98	6	0.2	3818.38
STONECAT	1978	1	0.2	18.00	0.1	0	0.0	0.00	1	0.2	18.00
	1979	1	0.5	36.00	0.2	0	0.0	0.00	1	0.3	36.00
	1981	1	0.5	12.00	0.0	0	0.0	0.00	1	0.3	12.00
	1982	1	1.1	20.00	0.1	0	0.0	0.00	1	0.6	20.00
	TOTAL	4	0.3	86.00	0.1	0	0.0	0.00	5	0.3	106.00
TADPOLE MADTOM	1987	0	0.0	0.00	0.0	2	0.4	0.74	2	0.3	0.74
	TOTAL	0	0.0	0.00	0.0	2	0.4	0.74	2	0.3	0.74
PIRATE PERCH	1989	1	0.1	12.25	0.0	0	0.0	0.00	1	0.1	12.25
	TOTAL	1	0.1	12.25	0.0	0	0.0	0.00	1	0.1	12.25
BLACKSTRIPED TOPMINNOW	1977	0	0.0	0.00	0.0	5	0.6	2.42	5	0.4	2.42
	1978	0	0.0	0.00	0.0	2	3.0	0.42	2	0.4	0.42
	1979	0	0.0	0.00	0.0	1	1.0	0.09	1	0.3	0.09
	1981	1	0.2	0.00	0.0	0	0.0	0.00	1	0.3	0.00
	1982	0	0.0	0.00	0.0	1	1.5	1.36	1	0.6	1.36
	1983	0	0.0	0.00	0.0	1	0.7	0.12	1	0.4	0.12
	1984	0	0.0	0.00	0.0	2	0.6	0.34	2	0.4	0.34
	1986	0	0.0	0.00	0.0	1	0.9	0.14	1	0.2	0.14
	1987	0	0.0	0.00	0.0	2	0.4	0.43	2	0.3	0.43
	1988	0	0.0	0.00	0.0	6	1.0	1.92	6	0.4	1.92
	1989	1	0.1	1.80	0.0	1	0.2	2.32	2	0.2	4.12
	TOTAL	2	0.1	1.80	0.0	22	0.7	9.56	24	0.3	11.36
BROOK SILVERSIDE	1977	4	1.2	3.86	0.0	40	4.5	14.01	44	3.7	17.87
	1979	0	0.0	0.00	0.0	1	1.0	0.09	1	0.3	0.09
	1984	0	0.0	0.00	0.0	7	2.0	1.12	7	1.4	1.12
	1985	1	0.5	0.15	0.0	10	0.5	1.31	11	0.5	1.46
	1986	2	0.5	1.22	0.0	0	0.0	0.00	2	0.4	1.22
	1987	1	0.3	0.83	0.0	0	0.0	0.00	1	0.1	0.83
	1988	9	1.2	8.04	0.0	0	0.0	0.00	9	0.7	8.04
	1989	4	0.6	7.58	0.0	2	0.4	0.64	6	0.5	8.22
	TOTAL	21	0.7	21.66	0.0	60	1.2	17.17	81	1.0	38.83
YELLOW BASS	1987	2	0.6	12.15	0.1	3	0.0	0.00	5	0.3	12.15
	1989	1	0.1	1.85	0.0	0	0.0	0.00	1	0.1	1.85
	TOTAL	3	0.3	14.00	0.0	3	0.0	0.00	6	0.2	14.00
ROCK BASS	1977	19	5.9	1599.00	6.6	1	0.1	35.00	20	1.7	1634.00
	1978	18	3.8	461.00	2.6	1	1.5	50.00	19	3.5	511.00
	1979	40	21.2	3238.91	19.9	0	0.0	0.00	40	12.6	3238.91
	1981	22	10.0	2640.00	8.7	0	0.0	0.00	22	7.2	2640.00
	1983	1	0.9	270.00	1.2	0	0.0	0.00	1	0.4	270.00
	1984	4	2.7	187.00	1.0	0	0.0	0.00	4	0.8	187.00
	1985	8	4.2	1053.00	6.4	2	0.7	4.47	10	0.4	1057.47
	1986	49	13.0	3744.25	19.0	1	0.9	0.36	50	10.4	3744.61
	1987	35	10.6	3064.21	13.9	0	0.0	0.00	35	4.4	3064.21
	1988	15	1.9	1322.05	7.3	9	1.6	20.79	24	1.8	1342.84
	1989	34	5.1	1157.13	2.6	3	0.6	35.68	37	3.2	1192.81
	TOTAL	245	6.5	18736.55	7.5	17	0.3	146.30	262	2.8	18882.85
GREEN SUNFISH	1977	34	10.6	770.71	3.2	3	0.3	3.15	37	3.1	773.86
	1978	57	12.0	1095.48	6.1	11	16.4	115.08	68	12.6	1210.56
	1979	30	20.1	986.00	6.0	3	3.0	42.27	33	14.1	1028.27
	1981	47	21.4	1306.00	4.3	1	1.1	75.00	48	15.6	1381.00
	1983	3	3.6	102.00	0.4	2	3.0	29.60	5	3.2	131.60
	1984	13	8.8	390.01	2.1	1	0.3	58.00	14	2.8	448.01
	1985	0	0.0	0.00	0.0	6	0.3	179.20	6	0.3	179.20
	1986	29	7.7	1384.25	7.0	14	13.2	297.65	43	8.9	1681.90
	1987	30	9.1	1054.51	4.8	11	2.3	135.14	41	5.1	1189.65
	1988	2	0.3	64.40	0.4	12	2.1	132.00	14	1.0	196.40
	1989	78	11.7	1607.51	3.6	43	8.8	300.35	121	10.4	1907.86
	TOTAL	332	8.5	8806.67	3.2	107	1.9	1367.44	439	4.7	10174.31
PUMPKINSEED	1981	0	0.0	0.00	0.0	1	1.1	8.87	1	0.3	8.87
	TOTAL	2	1.1	56.91	0.3	0	0.0	0.00	2	0.1	56.91
WARMOUTH	1989	9	1.3	490.00	1.1	0	0.0	0.00	9	0.8	490.00
	TOTAL	9	1.3	490.00	1.1	0	0.0	0.00	9	0.8	490.00

APPENDIX D-8 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 51 OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	SNQ.	WT(G)	SWT	NO.	SNQ.	WT(G)	SWT	NO.	SNQ.	WT(G)	SWT	
ORANGESPOTTED SUNFISH	1977	7	2.2	40.55	0.2	5	0.6	0.78	0.1	12	1.0	41.33	0.2
	1978	34	7.2	356.00	2.0	2	3.0	11.00	3.3	36	7.7	367.00	2.0
	1979	16	8.5	209.53	1.3	5	5.0	40.06	14.6	21	7.2	252.59	1.3
	1981	31	14.1	258.00	0.8	13	14.9	37.16	4.6	44	14.3	295.16	0.9
	1982	7	7.9	71.00	0.3	6	9.0	12.37	11.7	13	6.3	83.37	0.4
	1983	4	3.5	66.41	0.2	0	0.0	0.00	0.0	4	1.8	66.41	0.2
	1984	21	14.2	167.88	0.8	1	0.3	1.20	0.7	22	4.3	169.08	0.8
	1985	13	7.0	167.10	1.0	24	1.1	115.78	6.1	37	1.6	282.88	1.5
	1986	89	23.7	1117.41	9.7	14	13.2	59.79	12.3	103	21.4	1177.20	5.8
	1987	19	5.8	183.19	0.8	3	0.6	5.31	1.7	22	2.6	188.50	0.8
	1988	10	1.3	71.96	0.4	0	0.0	0.00	0.0	10	0.7	71.96	0.4
	1989	96	14.3	781.99	1.8	2	0.4	10.91	1.5	98	8.4	792.90	1.8
	TOTAL	347	8.9	3451.12	1.3	79	1.4	294.36	4.5	422	4.9	3745.50	1.3
BLUEGILL	1977	1	0.3	6.00	0.0	0	0.0	0.00	0.0	1	0.1	6.00	0.0
	1978	4	0.6	29.13	0.2	2	3.0	0.32	0.1	6	1.1	29.45	0.2
	1981	3	1.4	12.00	0.0	0	0.0	0.00	0.0	3	1.0	12.00	0.0
	1982	2	1.2	9.00	0.0	0	0.0	0.00	0.0	2	1.3	9.00	0.0
	1985	2	1.1	90.00	0.5	17	0.8	1.30	0.2	19	0.8	91.30	0.5
	1986	7	1.9	196.93	1.0	14	13.2	20.62	4.2	21	4.4	217.55	1.1
	1987	11	3.3	115.78	0.5	12	2.6	8.44	2.8	23	2.9	124.22	0.6
	1989	82	12.3	792.81	1.8	23	4.7	72.75	9.7	105	9.1	865.56	1.9
	TOTAL	112	4.2	1251.75	0.6	66	1.6	105.43	2.0	180	2.6	1357.08	0.7
NORTHERN LONGEAR SUNFISH	1977	10	3.1	146.00	0.6	1	0.1	11.13	1.9	11	0.9	159.13	0.6
	TOTAL	10	3.1	146.00	0.6	1	0.1	11.13	1.9	11	0.9	159.13	0.6
LONGEAR SUNFISH	1977	8	2.5	87.11	0.4	7	0.8	25.19	4.2	15	1.2	112.30	0.5
	1978	26	5.5	313.00	1.8	0	0.0	0.00	0.0	26	4.6	313.00	1.7
	1979	6	3.2	67.00	0.4	0	0.0	0.00	0.0	6	2.1	67.00	0.4
	1981	3	1.4	111.00	0.0	3	3.4	4.12	0.5	6	2.0	115.12	0.0
	1984	6	4.1	100.00	0.5	2	0.6	11.55	6.3	8	1.6	111.55	0.6
	1985	3	2.7	114.50	0.7	0	0.0	0.00	0.0	3	0.2	114.50	0.6
	1986	30	8.0	382.47	1.9	2	1.9	9.49	2.0	32	6.6	391.96	1.9
	1987	21	6.4	479.08	2.2	7	1.5	29.10	9.6	28	3.5	508.18	2.3
	1988	21	2.7	373.18	2.0	6	1.0	3.25	0.5	27	2.0	376.43	2.0
	1989	68	10.2	676.99	1.5	17	7.5	10.89	6.8	85	9.1	687.88	1.6
	TOTAL	194	5.3	2604.33	1.1	54	1.2	133.59	2.1	258	2.9	2737.92	1.2
REDLEAF SUNFISH	1989	2	1.3	63.79	0.1	1	0.2	17.00	2.3	3	0.3	80.79	0.2
	TOTAL	2	0.3	63.79	0.1	1	0.2	17.00	2.3	3	0.3	80.79	0.2
ORANGESPOTTED X LONGEAR SUNFISH	1981	3	1.4	27.00	0.1	0	0.0	0.00	0.0	3	1.0	27.00	0.1
	TOTAL	3	1.4	27.00	0.1	0	0.0	0.00	0.0	3	1.0	27.00	0.1
GREEN X LONGEAR SUNFISH	1981	2	0.8	55.00	0.2	0	0.0	0.00	0.0	2	0.7	55.00	0.2
	TOTAL	2	0.8	55.00	0.2	0	0.0	0.00	0.0	2	0.7	55.00	0.2
UNIDENTIFIED HYBRID SUNFISH	1982	0	0.0	0.00	0.0	1	1.5	5.31	5.0	1	0.6	5.31	0.0
	TOTAL	0	0.0	0.00	0.0	1	1.5	5.31	5.0	1	0.6	5.31	0.0
UNIDENTIFIED SUNFISH	1977	0	0.0	0.00	0.0	1	0.1	0.02	0.0	1	0.1	0.02	0.0
	1979	0	0.0	0.00	0.0	2	2.0	0.23	0.1	2	0.7	0.23	0.0
	1981	0	0.0	0.00	0.0	3	3.4	0.29	0.0	3	1.0	0.29	0.0
	1982	0	0.0	0.00	0.0	10	14.9	2.21	2.1	10	6.4	2.21	0.0
	1983	1	0.9	0.70	0.0	22	16.4	5.76	8.5	23	9.1	6.46	0.0
	1984	0	0.0	0.00	0.0	6	1.7	0.59	0.4	6	1.2	0.69	0.0
	TOTAL	1	0.1	0.70	0.0	44	2.7	9.20	0.5	45	1.7	9.90	0.0
SMALLMOUTH BASS	1977	16	5.0	2983.00	12.3	0	0.0	0.00	0.0	16	1.3	2983.00	12.0
	1978	10	2.1	374.31	2.1	0	0.0	0.00	0.0	10	1.8	374.31	2.1
	1979	15	7.9	482.00	5.2	3	3.0	9.37	3.4	18	6.2	491.37	5.2
	1981	8	3.6	1525.00	5.0	0	0.0	0.00	0.0	8	2.6	1525.00	4.9
	1982	5	5.6	746.00	3.2	0	0.0	0.00	0.0	5	3.2	746.00	3.2
	1983	16	15.8	1265.14	5.4	0	0.0	0.00	0.0	16	7.3	1265.14	5.4
	1984	22	14.9	2263.00	12.4	0	0.0	0.00	0.0	22	4.3	2263.00	12.3
	1985	51	27.3	2349.05	14.2	23	1.1	85.66	4.5	74	3.1	2434.71	13.2
	1986	13	3.5	1086.00	5.5	0	0.0	0.00	0.0	13	1.6	1086.00	5.4
	1987	13	4.0	744.77	3.4	0	0.0	0.00	0.0	13	1.6	744.77	3.3
	1988	128	16.6	1973.91	10.8	47	6.2	236.49	34.6	175	13.0	2210.40	11.1
	1989	28	4.2	514.05	1.2	0	0.0	0.00	0.0	28	2.4	514.05	1.1
	TOTAL	327	8.4	16694.23	6.1	73	1.3	331.52	5.1	400	4.3	17029.75	6.1
LARGEMOUTH BASS	1977	7	2.2	99.00	0.4	2	0.2	31.23	5.2	9	0.7	130.23	0.5
	1978	13	2.7	49.65	0.3	2	3.0	6.40	1.9	15	2.8	56.05	0.3
	1979	4	2.1	30.00	0.2	2	2.0	8.70	3.2	6	2.1	38.70	0.2
	1981	3	1.4	175.00	0.6	4	4.6	18.28	2.3	7	2.3	193.28	0.6
	1982	1	1.1	9.00	0.0	9	13.4	16.55	15.7	10	6.4	25.55	0.1
	1983	5	4.4	450.00	1.9	5	3.7	26.59	39.0	10	4.0	476.59	2.0
	1984	3	2.0	570.00	3.1	3	0.8	17.73	9.7	6	1.2	587.73	3.2
	1985	3	1.6	248.32	1.5	2	0.1	40.02	2.1	5	0.2	288.34	1.6
	1986	1	0.3	460.00	2.4	0	0.0	0.00	0.0	1	0.2	460.00	2.4
	1987	17	5.2	727.57	3.3	1	0.2	5.85	1.9	18	2.3	733.42	3.3
	1988	1	0.1	17.00	0.1	1	0.2	19.53	2.9	2	0.1	36.53	0.2
	1989	31	4.6	1584.24	3.6	15	1.1	108.90	14.8	46	4.0	1693.14	2.8
	TOTAL	89	2.3	4439.98	1.6	46	0.8	299.78	4.8	135	1.4	4739.76	1.7
UNIDENTIFIED BLACK BASS	1983	0	0.0	0.00	0.0	3	2.2	0.16	0.2	3	1.2	0.16	0.0
	TOTAL	0	0.0	0.00	0.0	3	2.2	0.16	0.2	3	1.2	0.16	0.0
WHITE CRAPPIE	1977	3	0.9	344.23	1.4	2	0.2	3.46	0.6	5	0.4	347.71	1.4
	1978	2	0.4	52.00	0.3	3	4.5	0.96	0.3	5	0.9	52.96	0.3
	1979	4	2.1	204.55	1.3	9	8.9	97.47	35.5	13	4.5	302.02	1.8
	1981	10	4.5	556.00	1.8	11	12.6	156.27	19.5	21	6.8	716.27	2.1
	1982	1	1.1	170.00	0.7	0	0.0	0.00	0.0	1	0.6	170.00	0.7
	1983	1	0.9	114.00	0.5	1	0.7	0.32	0.5	2	0.8	114.32	0.5
	1984	1	0.7	128.00	0.7	0	0.0	0.00	0.0	1	0.2	128.00	0.7
	1985	2	0.5	165.00	0.6	1	0.9	0.85	0.2	3	0.8	165.85	0.8
	1987	1	0.3	139.00	0.6	0	0.0	0.00	0.0	1	0.1	139.00	0.6
	1989	1	0.1	18.00	0.0	0	0.0	0.00	0.0	1	0.1	18.00	0.0
	TOTAL	26	0.9	1892.78	0.8	27	1.0	261.35	6.7	53	0.9	2154.13	0.9
BLACK CRAPPIE	1977	7	2.2	499.36	2.1	9	1.0	142.19	23.8	16	1.3	641.55	2.6
	1978	0	0.0	0.00	0.0	3	4.9	1.21	0.4	3	0.6	1.21	0.0
	1981	5	2.3	384.00	1.3	10	11.5	6.91	0.9	15	4.9	390.91	1.3
	1982	0	0.0	0.00	0.0	4	6.0	11.18	10.6	4	2.6	11.18	0.0
	1986	0	0.0	0.00	0.0	1	0.9</						

APPENDIX D-8 (CONT.) TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES	-----ELECTROFISHING-----				-----SEINING-----				-----TOTAL-----				
	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	
JOHNNY DARTER	1978	0	0.0	0.00	0.0	13	19.4	4.97	1.3	13	2.4	4.97	0.0
	1979	0	0.0	0.00	0.0	3	3.0	0.99	0.4	3	1.0	0.99	0.0
	1982	0	0.0	0.00	0.0	8	11.9	3.77	3.6	8	5.1	3.77	0.0
	1983	0	0.0	0.00	0.0	9	6.7	2.74	4.0	9	3.6	2.74	0.0
	1984	0	0.0	0.00	0.0	1	0.3	0.11	0.1	1	0.2	0.11	0.0
	1985	0	0.0	0.00	0.0	55	2.5	39.53	2.1	55	2.3	39.53	0.2
	1986	0	0.0	0.00	0.0	2	1.9	1.14	0.2	2	0.4	1.14	0.0
	1987	0	0.0	0.00	0.0	1	0.4	1.69	0.6	1	0.4	1.69	0.0
	1988	0	0.0	0.00	0.0	8	1.4	2.99	0.4	8	0.6	2.99	0.0
	1989	1	0.1	0.99	0.0	2	0.4	0.50	0.1	3	0.3	1.49	0.0
	TOTAL	1	0.0	0.99	0.0	104	2.3	56.43	1.2	105	1.3	59.42	0.0
YELLOW PERCH	1978	1	0.2	27.00	0.2	0	0.0	0.00	0.0	1	0.2	27.00	0.1
	1979	1	0.3	27.00	0.1	0	0.0	0.00	0.0	1	0.3	22.00	0.1
	1981	1	0.5	16.70	0.1	0	0.0	0.00	0.0	1	0.3	16.00	0.1
	1983	1	0.9	49.70	0.2	0	0.0	0.00	0.0	1	0.4	49.00	0.2
	TOTAL	4	0.4	114.00	0.3	0	0.0	0.00	0.0	4	0.3	114.00	0.1
LOG PERCH	1987	1	0.3	3.23	0.0	0	0.0	0.00	0.0	1	0.1	3.23	0.0
	1988	19	2.5	51.72	1.3	0	0.0	0.00	0.0	19	1.4	51.72	0.3
	1989	2	0.3	19.24	0.0	0	0.0	0.00	0.0	2	0.2	19.24	0.0
	TOTAL	22	1.2	70.19	1.3	0	0.0	0.00	0.0	22	0.7	70.19	0.1
BLACKSIDE DARTER	1979	0	0.0	0.00	0.0	1	1.0	0.70	0.3	1	0.3	0.70	0.0
	1982	0	0.0	0.00	0.0	2	3.0	1.27	1.2	2	1.3	1.27	0.0
	1985	0	0.0	0.00	0.0	1	0.2	1.71	0.1	1	0.0	1.71	0.0
	1988	4	0.5	7.26	0.0	0	0.0	2.83	0.4	4	0.4	10.81	0.1
	1989	1	0.1	1.90	0.0	0	0.0	0.00	0.0	1	0.1	1.90	0.0
	TOTAL	5	0.3	9.86	0.0	3	1.2	4.51	0.2	10	0.2	18.39	0.0
SLENDERHEAD DARTER	1987	2	0.3	3.70	0.0	0	0.0	0.00	0.0	2	0.1	3.95	0.0
	1979	2	0.3	4.81	0.0	0	0.0	0.00	0.0	2	0.2	4.47	0.0
	TOTAL	4	0.3	8.52	0.0	0	0.0	0.00	0.0	4	0.2	8.42	0.0
WALLEYE	1977	7	2.2	350.00	1.4	0	0.0	0.00	0.0	7	0.6	350.00	1.4
	TOTAL	7	2.2	350.00	1.4	0	0.0	0.00	0.0	7	0.6	350.00	1.4

APPENDIX D-9. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5R OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES	-----ELECTROFISHING-----				-----SEINING-----				-----TOTAL-----				
	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	
LONGNOSE GAR	1979	2	2.6	34.53	0.2	0	0.0	0.00	0.0	2	0.3	34.53	0.2
	1981	1	0.3	520.00	2.1	0	0.0	0.00	0.0	1	0.2	520.00	2.0
	1982	0	0.0	0.00	0.0	1	1.3	4.82	7.4	1	0.9	4.82	0.0
	1985	6	4.0	165.00	1.0	0	0.0	0.00	0.0	6	0.4	165.00	1.0
	1987	2	1.9	116.00	2.2	0	0.0	0.00	0.0	2	0.4	116.00	2.1
	1988	11	3.7	315.00	1.9	0	0.0	0.00	0.0	11	1.9	315.00	1.8
	1989	3	0.6	694.00	1.7	0	0.0	0.00	0.0	3	0.6	694.00	3.5
	TOTAL	25	2.0	1844.53	1.7	1	0.0	4.82	0.1	26	0.6	1851.35	1.6
GIZZARD SHAD	1977	15	9.3	466.73	2.3	2	0.2	14.58	2.4	17	1.5	481.31	2.3
	1978	116	50.4	449.56	3.5	1	0.2	7.71	2.3	117	16.1	457.27	3.4
	1979	6	8.3	770.41	5.0	0	0.0	0.00	0.0	6	0.9	770.41	4.6
	1981	49	22.7	607.40	2.4	8	2.9	26.78	4.9	57	11.5	634.16	2.5
	1982	13	43.3	993.00	7.8	0	0.0	0.00	0.0	13	12.1	993.00	7.7
	1983	9	11.7	642.91	3.4	0	0.0	0.00	0.0	9	2.1	642.91	3.4
	1984	1	1.6	310.00	1.4	0	0.0	0.00	0.0	1	0.4	310.00	1.4
	1985	7	4.6	323.06	2.0	0	0.0	0.00	0.0	7	0.5	323.06	1.9
	1986	32	19.3	4375.54	34.9	1	1.0	0.26	0.1	33	12.0	4375.80	34.3
	1987	18	17.0	1654.00	31.5	1	0.3	1.77	0.5	19	4.1	1655.77	29.4
	1988	34	11.4	2366.86	14.3	0	0.0	0.00	0.0	34	5.9	2366.86	13.5
	1989	50	12.6	1940.36	21.3	0	0.0	0.00	0.0	50	10.0	1940.36	20.0
	TOTAL	350	17.8	16899.43	8.6	13	0.3	51.06	0.8	363	5.2	16950.51	8.4
GRASS PICKEREL	1981	11	5.1	150.00	0.6	2	0.7	24.17	4.4	13	2.6	174.19	0.7
	1984	0	0.0	0.00	0.0	1	7.5	8.05	5.7	1	0.4	8.05	0.0
	1986	4	2.4	45.67	0.2	1	1.0	10.44	4.7	5	1.9	56.11	0.3
	1989	1	0.3	4.13	0.0	0	0.0	0.00	0.0	1	0.2	4.13	0.0
	TOTAL	16	1.9	179.74	0.2	4	0.6	42.78	2.1	20	1.3	222.52	0.3
NORTHERN PIKE	1979	1	1.4	65.00	0.4	0	0.0	0.00	0.0	1	0.1	65.00	0.4
	1981	4	1.9	1432.00	2.7	0	0.0	0.00	0.0	4	0.8	1432.00	2.5
	1983	1	1.3	21.00	0.1	0	0.0	0.00	0.0	1	0.2	21.00	0.1
	1984	1	1.6	430.00	1.9	0	0.0	0.00	0.0	1	0.4	430.00	1.9
	1985	3	2.0	433.00	2.7	0	0.0	0.00	0.0	3	0.2	433.00	2.6
	1986	1	0.6	800.00	6.4	0	0.0	0.00	0.0	1	0.4	800.00	6.3
TOTAL	11	1.5	3161.00	2.9	0	0.0	0.00	0.0	11	0.3	3161.00	2.8	
RUDD	1988	0	0.0	0.00	0.0	1	0.4	14.97	1.6	1	0.2	14.97	0.1
	TOTAL	0	0.0	0.00	0.0	1	0.4	14.97	1.6	1	0.2	14.97	0.1
CARP	1977	14	8.7	11021.00	54.1	0	0.0	0.00	0.0	14	1.3	11021.00	52.5
	1978	5	2.2	8582.00	66.4	0	0.0	0.00	0.0	5	0.7	8582.00	64.7
	1979	4	5.8	1370.00	21.7	0	0.0	0.00	0.0	4	0.6	1370.00	21.0
	1981	16	7.4	10966.73	42.4	1	0.4	1.11	0.2	17	3.4	10967.84	42.5
	1982	2	6.7	2280.00	17.8	0	0.0	0.00	0.0	2	1.9	2280.00	17.7
	1983	2	2.6	3220.00	11.7	0	0.0	0.00	0.0	2	0.5	3220.00	11.6
	1984	2	3.2	1438.00	6.5	0	0.0	0.00	0.0	2	0.7	1438.00	6.4
	1985	3	2.0	4390.00	27.7	0	0.0	0.00	0.0	3	0.2	4390.00	26.1
	1988	14	4.7	3597.50	33.8	1	0.4	36.02	3.7	15	2.6	3633.52	32.1
	1989	23	5.8	6212.25	33.6	0	0.0	0.00	0.0	23	4.6	6212.25	31.6
	TOTAL	85	5.0	56077.48	31.3	2	0.0	37.13	0.7	87	1.4	56114.61	30.4
SILVERJAW MINNOW	1977	0	0.0	0.00	0.0	1	0.1	0.38	0.1	1	0.1	0.38	0.0
	1978	0	0.0	0.00	0.0	3	0.6	0.73	0.2	3	0.4	0.73	0.0
	1979	0	0.0	0.00	0.0	3	0.9	1.02	0.2	3	0.4	1.02	0.0
	1983	0	0.0	0.00	0.0	1	0.3	0.43	0.2	1	0.2	0.43	0.0
	1986	1	0.4	0.57	0.0	0	0.0	0.00	0.0	1	0.4	0.57	0.0
	TOTAL	1	0.1	0.57	0.0	6	0.3	2.56	0.1	7	0.3	3.13	0.0

APPENDIX D-9 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 58 OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES		ELECTROFISHING			SEINING			TOTAL		
		NO.	\$NO.	WT (G)	NO.	\$NO.	WT (G)	NO.	\$NO.	WT (G)
HORNHEAD CHUB	1977	0	0.0	0.00	4	0.4	2.18	4	0.4	2.18
	1979	0	0.0	0.00	4	0.7	2.27	4	0.6	2.27
	1983	0	0.0	0.00	1	0.3	0.22	1	0.2	0.22
	1984	0	0.0	0.00	3	1.3	1.01	3	1.1	1.01
	1985	0	0.0	0.00	43	3.4	34.16	43	3.3	34.16
	1988	7	2.3	12.02	6	2.9	16.91	13	5.2	28.93
TOTAL		7	2.3	12.02	63	1.7	56.75	70	1.6	68.77
PALLID CHUB	1978	0	0.0	0.00	1	0.2	0.42	1	0.1	0.42
	1979	0	0.0	0.00	5	0.8	1.82	5	0.7	1.82
	1981	0	0.0	0.00	1	0.4	0.23	1	0.2	0.23
	1984	0	0.0	0.00	1	0.3	0.21	1	0.2	0.21
	1985	0	0.0	0.00	11	0.9	5.26	11	0.8	5.26
	1989	0	0.0	0.00	19	0.7	8.04	19	0.5	8.04
TOTAL		0	0.0	0.00	27	2.3	15.75	27	2.3	15.75
GOLDER SHINER	1979	1	1.4	14.00	0	0.0	0.00	1	0.1	14.00
	1981	1	0.2	2.50	0	0.0	0.00	1	0.2	2.50
	1985	1	0.2	1.15	0	0.0	0.00	1	0.1	1.15
	1989	1	0.3	4.32	0	0.0	0.00	1	0.2	4.32
TOTAL		4	2.1	22.97	0	0.0	0.00	4	0.4	22.97
EMERALD SHINER	1977	1	0.6	4.98	0	0.0	0.00	1	0.1	4.98
	1983	1	1.3	4.40	0	0.0	0.00	1	0.2	4.40
	1985	0	0.0	0.00	1	0.1	0.11	1	0.1	0.11
	1989	0	0.0	0.00	1	1.0	0.29	1	0.2	0.29
TOTAL		2	1.9	9.38	2	1.1	0.40	4	0.4	9.78
STRAIPED SHINER	1978	0	0.0	0.00	5	1.0	1.61	5	0.7	1.61
	1979	0	0.0	0.00	19	3.1	3.76	19	2.8	3.76
	1982	0	0.0	0.00	2	2.6	0.64	2	1.9	0.64
	1983	0	0.0	0.00	6	1.7	2.45	6	1.4	2.45
	1984	0	0.0	0.00	21	10.2	5.68	21	7.9	5.68
	1985	1	0.7	0.79	103	6.2	37.25	104	7.4	38.04
	1986	3	1.8	3.30	4	4.2	8.18	7	2.7	11.48
	1988	45	15.1	69.63	0	0.0	0.00	45	7.8	69.63
	1989	2	0.5	0.36	1	1.0	0.52	3	0.6	0.90
TOTAL		51	3.4	74.10	161	4.6	59.91	212	4.3	134.01
RED SHINER	1981	0	0.0	0.00	1	0.4	2.21	1	0.2	2.21
	1989	0	0.0	0.00	2	0.2	1.73	2	0.1	1.73
TOTAL		0	0.0	0.00	3	0.6	3.94	3	0.3	3.94
RUSYFACE SHINER	1977	1	0.8	3.62	37	3.9	15.93	38	3.4	19.55
	1978	0	0.0	0.00	1	0.2	0.65	1	0.1	0.65
	1979	0	0.0	0.00	24	3.9	9.10	24	3.9	9.10
	1981	1	0.5	0.67	0	0.0	0.00	1	0.2	0.67
	1982	0	0.0	0.00	2	2.6	0.50	2	1.9	0.50
	1985	0	0.0	0.00	21	2.5	5.84	21	2.2	5.84
	1987	0	0.0	0.00	2	0.6	0.34	2	0.4	0.34
	1988	4	1.3	2.84	0	0.0	0.00	4	0.7	2.84
	1989	2	0.5	0.65	0	0.0	0.00	2	0.4	0.65
TOTAL		8	2.1	7.96	97	2.2	32.16	105	1.7	40.14
SPOTFIN SHINER	1977	6	5.0	24.96	110	11.7	65.11	116	10.7	90.07
	1978	6	2.6	23.50	13	2.6	24.96	19	2.6	48.46
	1979	2	2.8	13.48	320	52.2	221.17	322	47.0	234.65
	1981	7	3.2	16.85	14	5.0	5.23	21	4.2	22.08
	1982	1	3.3	5.99	10	13.0	21.97	11	10.3	29.96
	1983	8	10.4	24.27	25	7.2	16.24	33	7.8	40.51
	1984	6	9.7	16.91	57	27.8	32.56	63	23.6	49.49
	1985	3	2.0	15.05	448	35.8	114.26	451	32.1	129.31
	1986	8	4.8	10.47	1	1.0	0.90	9	3.4	15.37
	1987	6	7.5	14.69	109	30.1	26.80	117	25.0	41.49
	1988	16	5.4	38.44	6	2.2	5.47	22	3.6	43.91
	1989	1	0.3	1.76	29	26.2	4.34	30	6.0	6.13
TOTAL		74	3.8	210.40	1142	22.6	541.03	1216	17.3	751.43
SAND SHINER	1977	1	0.6	1.97	0	0.0	0.00	1	0.2	1.97
	1978	0	0.0	0.00	184	37.0	55.12	184	25.3	55.12
	1979	0	0.0	0.00	99	16.2	43.38	99	14.5	43.38
	1981	0	0.0	0.00	40	14.3	23.20	40	6.1	23.20
	1982	0	0.0	0.00	15	19.5	5.67	15	14.0	5.67
	1983	2	2.6	3.02	114	33.6	70.01	116	27.5	73.03
	1984	1	1.6	1.05	55	26.8	21.28	56	27.0	22.33
	1985	0	0.0	0.00	182	14.5	55.11	182	13.0	55.11
	1986	1	0.6	0.16	0	0.0	0.00	1	0.4	0.16
	1987	8	7.5	6.55	95	26.2	61.77	103	22.0	68.32
	1988	3	1.0	3.96	0	0.0	0.00	3	0.5	3.96
	1989	1	0.3	0.43	0	0.0	0.00	1	0.2	0.43
TOTAL		17	9.9	17.14	640	16.6	354.72	657	12.2	371.66
REDFIN SHINER	1977	0	0.0	0.00	4	0.6	0.63	4	0.4	0.63
	1978	1	0.4	1.86	0	0.0	0.00	1	0.1	1.86
	1986	0	0.0	0.00	2	2.1	1.61	2	0.8	1.61
	1989	2	0.5	3.08	7	6.8	7.69	9	1.8	10.77
TOTAL		3	0.9	4.94	13	9.4	9.93	16	3.0	14.87
MIMIC SHINER	1977	0	0.0	0.00	5	0.5	0.78	5	0.5	0.78
	1981	0	0.0	0.00	4	1.4	1.39	4	0.8	1.39
	1986	2	0.7	3.93	0	0.0	0.00	2	0.3	3.93
	1989	2	0.3	3.93	9	0.6	2.17	11	0.5	6.10
TOTAL		4	1.0	7.86	19	2.6	4.34	23	1.3	11.21
SUCKERMOUTH MINNOW	1978	1	0.4	0.29	6	1.2	3.14	7	1.0	3.43
	1979	0	0.0	0.00	17	2.8	5.96	17	2.5	5.96
	1981	0	0.0	0.00	13	4.7	2.54	13	2.6	2.54
	1982	0	0.0	0.00	6	7.8	2.19	6	5.6	2.19
	1983	0	0.0	0.00	30	8.7	13.54	30	7.1	13.54
	1984	0	0.0	0.00	8	3.9	2.71	8	3.0	2.71
	1985	0	0.0	0.00	10	0.8	6.90	10	0.7	6.90
	1986	3	1.8	2.38	4	4.2	1.17	7	2.7	3.55
	1987	1	0.9	0.69	9	8.5	9.04	10	2.1	7.13
	1988	1	0.3	1.36	0	0.0	0.00	1	0.2	1.36
	1989	1	0.3	0.94	0	0.0	0.00	1	0.2	0.94
TOTAL		7	3.4	5.66	103	2.3	45.19	110	1.9	50.85
BLUNTNOSTE MINNOW	1977	11	6.3	21.84	184	19.5	113.34	195	17.7	135.18
	1978	11	4.8	28.67	180	38.2	125.13	191	26.3	163.80
	1979	1	1.4	4.29	25	4.1	10.46	26	3.8	14.75
	1981	1	0.5	1.00	43	15.4	21.07	44	6.9	22.07
	1982	0	0.0	0.00	18	18.2	8.08	18	13.1	8.08
	1983	0	0.0	0.00	53	15.4	19.11	53	12.6	19.11
	1984	0	0.0	0.00	14	6.8	4.9	14	5.2	4.9
	1985	11	7.3	36.20	149	11.9	78.42	160	11.4	114.62
	1986	30	18.1	27.93	50	52.1	22.96	80	30.5	50.89
	1987	9	6.5	9.62	53	14.6	37.38	62	13.2	47.00
	1988	17	5.7	23.33	77	27.6	46.77	94	16.3	70.10
	1989	4	1.0	6.62	14	13.6	8.76	18	3.6	15.38
TOTAL		95	4.8	159.70	856	16.9	506.45	951	13.6	666.15

APPENDIX D-9 (CONT.) TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5R OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	\$NO.	WT(G)	SWT	NO.	\$NO.	WT(G)	SWT	NO.	\$NO.	WT(G)	SWT
FATHEAD MINNOW	1979	0	0.0	0.00	0.0	1	0.2	3.36	0.7	1	0.1	3.36	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.2	3.36	0.7	1	0.1	3.36	0.0
BULLHEAD MINNOW	1977	14	8.7	38.73	0.2	189	20.0	104.63	17.0	203	18.4	143.36	0.7
	1978	8	3.5	14.99	0.1	44	8.9	47.31	14.0	52	7.2	62.50	0.5
	1979	11	15.3	34.37	0.2	38	5.9	36.97	7.6	49	6.9	73.34	0.5
	1981	3	1.4	10.95	0.0	96	34.4	55.54	10.2	99	20.0	66.49	0.3
	1982	1	2.2	2.88	0.0	8	10.4	7.51	11.5	9	8.4	10.39	0.1
	1983	3	3.9	5.97	0.0	37	10.7	13.76	7.2	40	9.5	19.73	0.1
	1984	2	3.2	8.25	0.0	10	14.6	5.72	4.1	12	12.0	13.97	0.1
	1985	2	1.3	9.88	0.1	22	1.8	36.97	3.6	24	1.7	46.85	0.3
	1986	2	1.2	3.98	0.0	1	1.0	0.78	0.3	3	1.1	4.76	0.0
	1987	3	2.8	3.72	0.1	35	9.7	32.50	8.7	38	8.1	37.22	0.7
	1988	2	0.7	9.51	0.1	5	1.8	10.33	1.1	7	1.2	19.84	0.1
	1989	8	2.0	11.50	0.1	4	3.9	2.09	0.2	12	2.4	13.59	0.1
	TOTAL	59	3.0	154.53	0.1	507	10.0	357.31	5.8	566	8.1	511.84	0.3
CREEK CHUB	1983	0	0.0	0.00	0.0	11	3.2	4.38	2.3	11	2.6	4.38	0.0
	1985	0	0.0	0.00	0.0	6	0.5	4.08	0.4	6	0.4	4.08	0.0
	TOT	0	0.0	0.00	0.0	17	1.1	8.46	0.7	17	0.9	8.46	0.0
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	274	29.1	14.20	2.3	274	24.8	14.20	0.1
	1978	0	0.0	0.00	0.0	2	0.4	0.04	0.0	2	0.3	0.04	0.0
	1982	0	0.0	0.00	0.0	1	1.3	0.06	0.1	1	0.9	0.06	0.0
	1983	0	0.0	0.00	0.0	5	1.4	0.40	0.2	5	1.2	0.40	0.0
	1984	0	0.0	0.00	0.0	1	0.5	0.05	0.0	1	0.4	0.05	0.0
	TOTAL	0	0.0	0.00	0.0	283	13.7	14.75	1.1	283	10.8	14.75	0.0
QUILLBACK	1977	4	2.5	20.29	0.1	1	0.1	3.48	0.6	5	0.5	23.77	0.1
	1978	10	4.3	1994.00	15.4	0	0.0	0.00	0.0	10	1.4	1994.00	15.0
	1979	10	13.9	4667.00	30.0	0	0.0	0.00	0.0	10	1.5	4667.00	29.1
	1981	10	4.6	3685.00	14.6	0	0.0	0.00	0.0	10	2.0	3685.00	14.3
	1982	1	1.3	750.00	5.9	0	0.0	0.00	0.0	1	0.9	750.00	5.8
	1983	23	29.8	13267.00	70.0	0	0.0	0.00	0.0	23	5.5	13267.00	69.3
	1984	26	41.9	15476.00	69.6	0	0.0	0.00	0.0	26	9.7	15476.00	69.2
	1985	5	3.3	568.99	3.6	1	0.1	5.36	0.5	6	0.4	574.35	3.4
	1986	7	4.2	4069.00	32.4	0	0.0	0.00	0.0	7	2.7	4069.00	31.9
	1987	3	2.8	2020.00	38.5	0	0.0	0.00	0.0	3	0.6	2020.00	39.9
	1988	5	1.7	2760.00	16.7	0	0.0	0.00	0.0	5	0.9	2760.00	15.7
	1989	5	1.3	315.00	1.7	0	0.0	0.00	0.0	5	1.0	315.00	1.6
	TOTAL	109	5.5	49572.28	25.2	2	0.0	8.84	0.1	111	1.6	49581.12	24.4
NORTHERN HOGSUCKER	1983	1	1.3	435.00	2.3	0	0.0	0.00	0.0	1	0.2	435.00	2.3
	1984	1	1.4	600.00	2.7	0	0.0	0.00	0.0	1	0.4	600.00	2.7
	1985	1	0.7	3.66	0.0	0	0.0	0.00	0.0	1	0.1	3.66	0.0
	TOTAL	3	1.0	1038.66	1.8	0	0.0	0.00	0.0	3	0.1	1038.66	1.8
SMALLMOUTH BUFFALO	1981	1	0.5	345.00	1.4	0	0.0	0.00	0.0	1	0.2	345.00	1.1
	1988	2	0.7	16.73	0.1	0	0.0	0.00	0.0	2	0.3	16.73	0.1
	1989	5	1.3	607.00	3.3	0	0.0	0.00	0.0	5	1.0	607.00	3.1
	TOTAL	8	0.9	968.73	1.6	0	0.0	0.00	0.0	8	0.5	968.73	1.3
BIGMOUTH BUFFALO	1982	1	3.3	600.00	4.7	0	0.0	2.90	0.0	1	0.9	600.00	4.7
	1984	1	1.6	1140.00	5.1	0	0.0	0.00	0.0	1	0.4	1140.00	5.1
	TOTAL	2	2.2	1740.00	5.0	0	0.0	0.00	0.0	2	0.5	1740.00	4.9
SPOTTED SUCKER	1989	5	1.3	694.00	3.7	0	0.0	0.00	0.0	5	1.0	694.00	3.5
	TOTAL	5	1.3	694.00	3.7	0	0.0	0.00	0.0	5	1.0	694.00	3.5
SILVER REDHORSE	1977	1	0.6	705.00	3.5	0	0.0	0.00	0.0	1	0.1	705.00	3.4
	1978	1	0.4	910.00	7.0	0	0.0	0.00	0.0	1	0.1	910.00	6.9
	1979	0	0.0	0.00	0.0	1	0.2	2.80	0.4	1	0.1	2.80	0.0
	1981	1	0.5	150.00	0.6	1	0.4	24.39	4.5	2	0.4	174.39	0.7
	1982	6	20.0	3840.00	30.0	0	0.0	0.00	0.0	6	5.6	3840.00	29.9
	1984	3	4.6	1210.00	5.4	0	0.0	0.00	0.0	3	1.1	1210.00	5.4
	1985	3	2.0	2430.00	15.4	3	0.2	3.57	0.3	6	0.4	2433.57	14.4
	1986	2	1.2	95.00	0.8	0	0.0	0.00	0.0	2	0.8	95.00	0.7
	1988	6	2.0	72.42	0.4	0	0.0	0.00	0.0	6	1.0	72.42	0.4
	1989	3	0.8	146.00	0.8	0	0.0	0.00	0.0	3	0.6	146.00	0.7
	TOTAL	26	1.5	9558.42	3.5	5	0.1	30.56	0.5	31	0.5	9588.98	5.4
RIVER REDHORSE	1982	1	3.3	3178.00	24.9	0	0.0	0.00	0.0	1	0.9	3178.00	24.7
	TOTAL	1	3.3	3178.00	24.9	0	0.0	0.00	0.0	1	0.9	3178.00	24.7
GOLDEN REDHORSE	1977	3	1.9	140.00	0.7	0	0.0	0.00	0.0	3	0.3	140.00	0.7
	1978	3	1.3	25.27	0.2	0	0.0	0.00	0.0	3	0.4	25.27	0.2
	1979	6	11.1	959.00	6.2	1	0.2	30.00	6.0	7	1.3	989.00	6.2
	1981	2	1.4	840.00	3.3	0	0.0	0.00	0.0	2	0.6	840.00	3.3
	1982	1	3.3	470.00	3.7	0	0.0	0.00	0.0	1	0.9	470.00	3.7
	1983	1	1.3	405.00	2.1	0	0.0	0.00	0.0	1	0.2	405.00	2.1
	1984	2	3.2	725.00	3.3	0	0.0	0.00	0.0	2	0.7	725.00	3.2
	1985	8	5.3	2149.05	13.6	58	4.6	94.57	5.3	66	4.7	2203.62	13.1
	1986	7	4.2	1837.05	14.6	0	0.0	0.00	0.0	7	2.7	1837.05	14.4
	1987	5	4.7	588.34	10.6	13	3.6	13.64	3.6	18	3.8	581.98	10.3
	1988	3	1.0	947.00	5.7	0	0.0	0.00	0.0	3	0.5	947.00	5.4
	1989	5	1.3	259.53	1.4	0	0.0	0.00	0.0	5	1.0	259.53	1.3
	TOTAL	49	2.5	9325.24	4.7	72	1.4	98.21	1.6	121	1.7	9423.45	4.6
SHORTHEAD REDHORSE	1977	4	2.5	336.00	1.6	0	0.0	0.00	0.0	4	0.4	336.00	1.6
	1981	6	2.8	2215.00	8.8	0	0.0	0.00	0.0	6	1.2	2215.00	8.8
	1982	1	1.3	440.00	3.4	0	0.0	0.00	0.0	1	0.9	440.00	3.4
	1985	1	0.7	2.34	0.0	4	0.3	6.15	0.6	5	0.4	8.44	0.1
	1988	6	2.0	22.15	0.1	0	0.0	0.00	0.0	6	1.0	22.15	0.1
	1989	1	0.3	500.00	2.7	0	0.0	0.00	0.0	1	0.2	500.00	2.5
	TOTAL	19	1.5	3515.49	3.2	4	0.1	6.30	0.1	23	0.5	3521.79	3.1
UNIDENTIFIED REDHORSE	1977	3	1.9	10.67	0.1	0	0.0	0.00	0.0	3	0.3	10.67	0.1
	1978	1	0.4	1.25	0.0	29	5.8	17.65	5.2	30	4.1	18.90	0.1
	1979	0	0.0	0.00	0.0	6	1.0	3.56	0.7	6	0.9	3.56	0.0
	1981	0	0.0	0.00	0.0	6	2.2	1.83	0.3	6	1.2	1.83	0.0
	1983	0	0.0	0.00	0.0	10	2.9	4.98	2.6	10	2.4	4.98	0.0
	TOTAL	4	0.5	11.92	0.0	51	1.9	28.00	1.3	55	1.6	39.92	0.0
YELLOW BULLHEAD	1988	0	0.0	0.00	0.0	1	0.4	8.72	0.9	1	0.2	8.72	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.4	8.72	0.9	1	0.2	8.72	0.0
CHANNEL CATFISH	1977	3	1.9	1684.00	8.3	0	0.0	0.00	0.0	3	0.3	1684.00	8.0
	1979	2	2.8	4158.00	26.7	0	0.0	0.00	0.0	2	0.3	4158.00	25.9
	1986	0	0.0	0.00	0.0	1	1.0	0.15	0.1	1	0.4	0.15	0.0
	1987	0	0.0	0.00	0.0	3	0.8	3.43	0.9	3	0.4		

APPENDIX D-9 (CONT.) TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5R OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT
BLACKSTRIPE TOPMINNOW	1977	0	0.0	0.00	0.0	3	0.3	0.84	0.1	3	0.3	0.84	0.0
	1978	0	0.0	0.00	0.0	1	0.2	0.23	0.1	1	0.1	0.23	0.0
	1981	0	0.0	0.00	0.0	1	0.4	0.24	0.0	1	0.2	0.24	0.0
	1985	0	0.0	0.00	0.0	21	1.7	12.38	1.2	21	1.5	12.38	0.0
	1987	0	0.0	0.00	0.0	2	0.6	1.91	0.4	2	0.4	1.91	0.0
	1988	1	0.3	1.18	0.0	11	3.9	2.64	0.3	12	2.1	3.78	0.0
	TOTAL	1	0.3	1.18	0.0	39	1.1	17.84	0.5	40	0.8	18.98	0.0
BROOK SILVERSIDE	1977	0	0.0	0.00	0.0	2	0.2	0.76	0.1	2	0.2	0.76	0.0
	1985	0	0.0	0.00	0.0	23	1.8	4.94	0.5	23	1.6	4.94	0.0
	1986	4	2.4	8.07	0.1	0	0.0	0.00	0.0	4	1.5	8.07	0.0
	1987	0	0.0	0.00	0.0	1	0.3	0.49	0.1	1	0.2	0.49	0.0
	1988	1	0.3	1.46	0.0	0	0.0	0.00	0.0	1	0.2	1.46	0.0
	1989	16	4.0	11.20	0.1	3	2.9	0.83	0.1	19	3.8	12.03	0.1
	TOTAL	21	1.6	20.73	0.0	29	1.0	7.02	0.2	50	1.2	27.75	0.0
YELLOW BASS	1978	1	0.4	16.00	0.1	0	0.0	0.00	0.0	1	0.1	16.00	0.1
	TOTAL	1	0.4	16.00	0.1	0	0.0	0.00	0.0	1	0.1	16.00	0.1
ROCK BASS	1977	15	9.3	1439.00	7.1	4	0.4	92.14	15.0	19	1.7	153.14	7.3
	1978	1	0.4	102.00	0.4	0	0.0	0.00	0.0	1	0.1	102.00	0.4
	1979	6	8.3	563.00	3.7	0	0.0	0.00	0.0	6	0.9	563.00	3.6
	1981	6	3.7	780.00	3.1	1	0.4	0.16	0.0	7	1.8	780.16	3.0
	1983	2	2.6	208.00	1.1	0	0.0	0.00	0.0	2	0.5	208.00	1.1
	1984	1	1.6	209.00	0.9	1	0.5	0.05	0.0	2	0.7	209.05	0.9
	1985	3	2.0	46.75	0.3	10	0.8	34.17	3.3	13	0.9	82.92	0.5
	1986	2	1.2	43.58	0.3	0	0.0	0.00	0.0	2	0.6	43.58	0.3
	1987	0	1.9	90.00	1.7	0	0.0	0.00	0.0	2	0.4	90.00	1.6
	1988	12	4.0	859.57	5.2	49	17.6	327.21	34.0	61	10.6	1186.78	6.8
	1989	23	5.8	1277.00	6.9	1	1.0	21.96	1.9	24	4.8	1298.96	6.6
	TOTAL	75	3.9	5635.91	3.1	66	1.3	475.69	7.8	141	2.0	6111.60	3.2
GREEN SUNFISH	1977	7	4.3	166.21	0.6	2	0.2	0.62	0.1	9	0.8	167.03	0.8
	1978	2	0.9	18.00	0.1	0	0.0	0.00	0.0	2	0.3	18.00	0.1
	1979	4	5.6	60.00	0.4	0	0.0	0.00	0.0	4	0.6	60.00	0.4
	1981	16	7.4	301.00	1.2	0	0.0	0.00	0.0	16	3.2	301.00	1.2
	1984	2	3.2	35.10	0.2	1	0.5	53.00	37.8	3	1.1	88.10	0.4
	1985	9	6.0	465.03	2.9	0	0.0	0.00	0.0	9	0.6	465.03	2.8
	1986	3	1.8	106.21	0.8	0	0.0	0.00	0.0	3	1.1	106.21	0.8
	1987	0	0.0	0.00	0.0	1	0.3	4.25	1.1	1	0.2	4.25	0.1
	1988	5	1.7	184.00	1.1	3	1.1	40.66	4.2	8	1.4	224.66	1.3
	1989	21	5.3	326.85	1.8	6	5.8	0.65	0.1	27	5.4	327.50	1.7
	TOTAL	69	3.7	1662.40	1.0	13	0.3	99.58	1.7	82	1.3	1761.98	1.0
PINKINSEED	1986	1	0.6	52.00	0.4	0	0.0	0.00	0.0	1	0.4	52.00	0.4
	TOTAL	1	0.6	52.00	0.4	0	0.0	0.00	0.0	1	0.4	52.00	0.4
ORANGESPOTTED SUNFISH	1977	2	1.2	14.88	0.1	15	1.6	5.37	0.9	17	1.5	20.25	0.1
	1978	3	1.3	24.00	0.2	0	0.0	0.00	0.0	3	0.4	24.00	0.2
	1979	5	6.9	36.00	0.2	1	0.2	19.00	3.6	6	0.9	34.00	0.3
	1981	23	10.6	168.06	0.7	16	5.7	56.07	10.6	39	7.9	224.13	0.9
	1984	1	1.6	12.00	0.1	0	0.0	0.00	0.0	1	0.4	12.00	0.1
	1985	9	6.0	95.31	0.6	4	0.3	22.57	2.2	13	0.9	117.88	0.7
	1986	3	1.8	35.03	0.3	15	15.6	71.81	32.2	18	6.9	106.84	0.7
	1987	1	0.9	14.00	0.3	4	1.1	23.34	6.1	5	1.1	37.34	0.7
	1988	21	7.0	217.66	1.3	18	6.5	72.64	7.5	39	6.7	290.30	1.7
	1989	51	12.6	577.05	3.1	5	4.9	62.98	7.2	56	11.2	640.03	3.4
	TOTAL	119	6.4	1193.99	0.7	78	1.7	354.78	6.0	197	3.0	1548.77	0.9
BLUEGILL	1977	2	1.2	128.12	0.6	4	0.4	1.77	0.3	6	0.5	129.89	0.6
	1978	6	3.5	85.00	0.7	0	0.0	0.00	0.0	6	1.1	85.00	0.6
	1981	6	2.8	176.00	0.7	0	0.0	0.00	0.0	6	1.2	176.00	0.7
	1982	1	3.3	24.00	0.2	0	0.0	0.00	0.0	1	0.9	24.00	0.2
	1983	7	9.1	317.00	1.7	1	0.3	21.48	11.2	8	1.9	338.48	1.8
	1985	2	1.3	81.00	0.6	7	0.6	0.94	0.1	9	0.6	91.94	0.5
	1986	14	8.4	244.63	1.9	2	2.1	4.47	2.0	16	6.1	249.10	2.0
	1987	3	2.8	48.00	0.9	2	0.6	1.48	0.4	5	1.1	49.48	0.9
	1988	1	0.3	48.00	0.3	0	0.0	0.00	0.0	1	0.2	48.00	0.3
	1989	26	6.5	260.95	1.4	1	1.0	4.33	0.4	27	5.4	265.28	1.3
	TOTAL	70	3.8	1422.70	0.9	17	0.4	34.47	0.8	87	1.4	1457.17	0.9
CENTRAL LONGEAR SUNFISH	1977	3	1.9	58.00	0.3	1	0.1	10.68	1.7	4	0.4	68.68	0.3
	TOTAL	3	1.9	58.00	0.3	1	0.1	10.68	1.7	4	0.4	68.68	0.3
NORTHERN LONGEAR SUNFISH	1977	4	2.5	40.01	0.2	3	0.3	17.57	2.9	7	0.6	57.58	0.3
	TOTAL	4	2.5	40.01	0.2	3	0.3	17.57	2.9	7	0.6	57.58	0.3
LONGEAR SUNFISH	1977	11	7.8	124.72	0.6	13	1.4	5.05	0.4	24	2.2	129.77	0.6
	1978	19	0.3	280.00	2.2	3	0.6	9.97	2.9	22	3.0	289.97	2.2
	1981	8	3.7	86.68	0.4	11	3.9	20.26	3.7	19	3.8	106.94	0.4
	1983	1	1.3	23.00	0.1	0	0.0	0.00	0.0	1	0.2	23.00	0.1
	1984	1	1.6	4.11	0.0	0	0.0	0.00	0.0	1	0.4	4.11	0.0
	1985	21	13.9	227.57	1.4	36	2.9	150.01	14.7	57	4.1	377.58	2.2
	1986	24	14.5	316.23	2.5	12	12.5	95.37	47.7	36	13.7	411.60	3.2
	1987	13	31.7	436.46	8.4	15	4.1	74.74	19.5	28	10.3	513.20	9.1
	1988	27	9.0	312.62	1.9	48	17.2	149.86	15.8	75	13.0	462.48	2.6
	1989	62	20.7	1074.82	5.8	20	19.4	132.66	11.6	102	20.4	1207.48	6.1
	TOTAL	227	12.2	2890.21	1.7	158	3.6	637.92	11.4	385	6.2	3528.13	2.0
GREEN SUNFISH X BLUEGILL	1977	1	0.6	68.00	0.3	0	0.0	0.00	0.0	1	0.1	68.00	0.3
	1983	1	1.3	38.00	0.2	0	0.0	0.00	0.0	1	0.2	38.00	0.2
	TOTAL	2	0.8	106.00	0.3	0	0.0	0.00	0.0	2	0.1	106.00	0.3
GREEN X LONGEAR SUNFISH	1981	1	0.5	5.00	0.0	0	0.0	0.00	0.0	1	0.2	5.00	0.0
	1985	1	7.7	46.00	0.3	0	0.0	0.00	0.0	1	0.1	46.00	0.3
	1988	1	0.3	64.00	0.4	0	0.0	0.00	0.0	1	0.2	64.00	0.4
	TOTAL	3	0.5	115.00	0.2	0	0.0	0.00	0.0	3	0.1	115.00	0.2
GREEN SUNFISH HYBRID	1981	2	0.9	5.00	0.0	0	0.0	0.00	0.0	2	0.4	5.00	0.0
	TOTAL	2	0.9	5.00	0.0	0	0.0	0.00	0.0	2	0.4	5.00	0.0
UNIDENTIFIED SUNFISH	1977	0	0.0	0.00	0.0	3	0.3	0.67	0.0	3	0.3	0.67	0.0
	1981	0	0.0	0.00	0.0	1	0.4	0.17	0.0	1	0.2	0.17	0.0
	1982	0	0.0	0.00	0.0	1	1.3	0.17	0.3	1	0.9	0.17	0.0
	1983	0	0.0	0.00	0.0	27	7.8	3.01	1.6	27	6.4	3.01	0.0
	TOTAL	0	0.0	0.00	0.0	32	1.9	3.42	0.2	32	1.5	3.42	0.0

APPENDIX D-9 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88, AND JULY/AUGUST 1989.

SPECIES	---ELECTROFISHING---				---SEINING---				---TOTAL---				
	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	
SMALLMOUTH BASS	1977	15	9.3	3259.16	16.0	2	0.2	63.51	10.3	17	1.5	3322.67	15.8
	1978	6	2.6	87.84	0.7	0	0.0	0.00	0.0	6	0.6	87.84	0.7
	1979	4	5.6	443.31	2.9	5	0.8	14.99	3.0	9	1.3	458.30	2.9
	1981	5	2.3	90.00	0.4	7	2.5	48.55	8.9	12	2.4	138.55	0.5
	1982	0	0.0	0.00	0.0	2	2.6	5.09	7.8	2	1.9	5.09	0.0
	1983	8	10.4	826.00	4.4	0	0.0	0.00	0.0	8	1.9	826.00	4.3
	1984	9	14.5	612.84	2.8	0	0.0	0.00	0.0	9	3.4	612.84	2.7
	1985	16	23.8	3857.74	24.4	10	0.8	234.03	22.9	46	3.3	4091.77	24.3
	1986	10	6.0	387.00	3.1	0	0.0	0.00	0.0	10	3.8	387.00	3.0
	1987	3	2.8	209.00	4.0	0	0.0	0.00	0.0	3	0.6	209.00	3.7
	1988	37	12.4	2020.70	12.2	22	1.9	120.06	13.4	59	10.2	2149.76	12.3
	1989	17	4.3	337.44	1.8	2	1.9	16.13	1.4	19	3.8	353.36	1.8
	TOTAL	150	7.6	12130.44	6.2	50	1.0	511.36	8.3	200	2.8	12642.18	6.2
LARGEMOUTH BASS	1977	1	4.3	163.14	0.7	1	0.1	23.71	3.9	2	0.7	186.85	0.8
	1978	23	10.0	194.43	1.5	7	1.4	25.04	7.4	30	4.1	219.47	1.7
	1981	1	1.4	96.00	0.6	0	0.0	0.00	0.0	1	0.1	96.00	0.6
	1982	0	4.2	1262.00	5.0	2	0.7	173.00	31.7	11	2.2	1435.00	5.6
	1983	5	6.5	238.00	1.3	2	0.6	12.57	6.6	7	1.7	250.57	1.3
	1984	2	3.2	6.91	0.0	0	0.0	0.00	0.0	2	0.7	6.91	0.0
	1985	13	8.6	433.09	2.7	11	0.9	65.15	6.4	24	1.7	498.24	3.0
	1986	3	1.8	99.63	0.6	1	1.0	4.67	2.1	4	1.5	104.30	0.8
	1987	8	4.7	28.61	0.5	6	1.7	56.97	14.8	11	2.4	85.58	1.5
	1988	7	2.3	390.00	3.3	5	1.8	87.51	9.1	12	2.1	477.51	3.6
	1989	31	7.8	1203.43	6.3	4	2.6	572.99	49.9	37	7.4	1776.22	9.0
	TOTAL	106	5.5	4255.44	2.3	41	0.8	1021.61	16.8	147	2.1	5277.25	2.8
WHITE CRAPPIE	1977	1	0.6	0.32	0.0	2	0.2	2.44	0.4	3	0.3	2.76	0.0
	1979	4	5.6	242.00	1.6	3	0.5	73.50	14.8	7	1.0	315.50	2.0
	1981	22	10.2	1435.00	5.7	3	1.1	38.72	7.1	25	5.1	1473.72	5.7
	1982	1	3.3	100.00	1.6	1	1.3	0.55	0.8	2	1.9	200.55	1.6
	1983	2	2.6	285.00	1.4	0	0.0	0.00	0.0	2	0.5	285.00	1.4
	TOTAL	30	5.4	2142.32	2.3	19	0.4	115.21	6.0	49	1.4	2757.53	2.4
BLACK CRAPPIE	1977	10	6.2	484.86	2.3	8	0.8	24.34	4.0	18	1.6	489.20	2.3
	1981	1	0.5	10.00	0.0	7	2.5	17.42	3.2	8	1.6	27.42	0.1
	1987	0	0.0	0.00	0.0	1	0.3	30.62	8.0	1	0.2	30.62	0.0
	1988	0	0.0	0.00	0.0	1	0.4	4.57	0.5	1	0.2	4.57	0.0
	1989	1	0.3	17.00	0.1	2	1.9	288.35	25.1	3	0.6	305.35	1.6
	TOTAL	12	1.0	491.86	0.6	19	1.0	365.70	10.0	31	1.0	857.56	1.0
RAINBOW DARTER	1977	0	0.0	0.00	0.0	1	0.1	0.43	0.1	1	0.1	0.43	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.1	0.43	0.1	1	0.1	0.43	0.0
JOHNNY DARTER	1977	0	0.0	0.00	0.0	8	0.8	5.75	0.9	8	0.7	5.75	0.0
	1978	1	0.4	0.48	0.0	14	2.8	6.02	1.8	15	2.1	6.44	0.0
	1979	0	0.0	0.00	0.0	36	5.9	9.64	1.9	36	5.3	9.64	0.1
	1982	0	0.0	0.00	0.0	11	14.3	3.58	5.5	11	10.3	3.58	0.0
	1983	0	0.0	0.00	0.0	18	5.2	5.49	2.9	18	4.3	5.49	0.0
	1984	0	0.0	0.00	0.0	12	5.9	4.92	3.5	12	4.5	4.92	0.0
	1985	1	0.7	0.60	0.0	35	2.8	21.67	2.1	36	2.6	22.47	0.1
	1986	1	0.6	0.21	0.0	1	1.0	0.40	0.2	2	0.8	0.63	0.0
	1987	0	0.0	0.00	0.0	10	2.8	4.57	1.2	10	2.1	4.57	0.0
	1988	2	0.7	0.72	0.0	21	7.5	6.47	0.7	23	4.0	7.19	0.0
	TOTAL	5	0.4	2.17	0.0	166	3.6	66.51	1.5	171	2.8	70.68	0.0
YELLOW PERCH	1978	3	1.3	87.00	0.7	0	0.0	0.00	0.0	3	0.4	87.00	0.7
	1985	0	0.0	0.00	0.0	1	0.1	1.84	0.2	1	0.1	1.84	0.0
	TOTAL	3	0.6	87.00	0.3	1	0.1	1.84	0.1	4	0.2	88.84	0.3
LOG PERCH	1987	1	0.9	1.52	0.0	0	0.0	0.00	0.0	1	0.2	1.52	0.0
	1988	5	1.7	20.93	0.1	0	0.0	0.00	0.0	5	0.9	20.93	0.1
	1989	3	0.8	12.03	0.1	0	0.0	0.00	0.0	3	0.6	12.03	0.1
	TOTAL	9	1.1	34.48	0.1	0	0.0	0.00	0.0	9	0.6	34.48	0.1
BLACKSIDE DARTER	1977	0	0.0	0.00	0.0	1	0.1	2.14	0.3	1	0.1	2.14	0.0
	1978	0	0.0	0.00	0.0	13	0.6	2.82	0.8	13	0.4	2.82	0.0
	1979	0	0.0	0.00	0.0	6	1.0	3.24	0.7	6	0.9	3.24	0.0
	1982	0	0.0	0.00	0.0	3	3.9	2.35	1.6	3	2.8	2.35	0.0
	1983	0	0.0	0.00	0.0	4	1.2	3.22	1.7	4	0.9	3.22	0.0
	1985	0	0.0	0.00	0.0	17	1.4	24.04	2.4	17	1.2	24.04	0.1
	1988	0	0.0	0.00	0.0	2	0.7	3.70	0.4	2	0.3	3.70	0.0
	1989	3	0.8	8.15	0.0	1	1.0	3.52	0.3	4	0.8	11.67	0.1
	TOTAL	3	0.2	8.15	0.0	37	0.9	45.04	0.9	40	0.7	53.19	0.0
SLENDERHEAD DARTER	1977	0	0.0	0.00	0.0	3	0.3	2.39	0.4	3	0.3	2.39	0.0
	1979	0	0.0	0.00	0.0	1	0.2	0.19	0.1	1	0.1	0.19	0.0
	1985	0	0.0	0.00	0.0	2	0.2	0.98	0.1	2	0.2	0.98	0.0
	TOTAL	0	0.0	0.00	0.0	7	0.2	3.76	0.2	7	0.2	3.76	0.0

APPENDIX D-10. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88, AND JULY/AUGUST 1989.

SPECIES	---ELECTROFISHING---					---SEINING---					---TOTAL---				
		NO.	\$NO.	WT(G)	\$WT		NO.	\$NO.	WT(G)	\$WT		NO.	\$NO.	WT(G)	\$WT
LONGNOSE GAR	1977	1	0.4	90.00	0.2	0	0.0	0.00	0.0		1	0.2	90.00	0.2	
	1978	1	0.3	190.00	1.1	0	0.0	0.00	0.0		1	0.3	190.00	1.1	
	1986	0	0.0	0.00	0.0	1	1.3	0.54	0.1		1	0.3	0.54	0.0	
	1988	3	0.5	143.00	0.3	0	0.0	0.00	0.0		3	0.5	143.00	0.3	
	TOTAL	5	0.3	423.00	0.3	1	0.2	0.54	0.1		6	0.3	423.54	0.3	
BOWFIN	1978	1	0.3	66.00	0.4	0	0.0	0.00	0.0		1	0.3	66.00	0.4	
	TOTAL	1	0.3	66.00	0.4	0	0.0	0.00	0.0		1	0.3	66.00	0.4	
GIZZARD SHAD	1977	1	0.4	5.23	0.0	2	0.7	0.93	0.2		3	0.5	6.16	0.0	
	1978	54	14.4	431.66	2.5	0	0.0	0.00	0.0		54	14.0	431.66	2.5	
	1981	5	1.6	22.00	0.0	0	0.0	0.00	0.0		5	1.5	22.00	0.0	
	1982	7	7.2	637.75	2.6	0	0.0	0.00	0.0		7	4.0	637.75	2.2	
	1983	1	0.9	240.00	0.8	0	0.0	0.00	0.0		1	0.3	240.00	0.8	
	1984	1	0.8	198.00	0.5	0	0.0	0.00	0.0		1	0.4	198.00	0.5	
	1985	1	0.4	4.80	0.0	0	0.0	0.00	0.0		1	0.2	4.80	0.0	
	1986	2	0.7	255.00	1.0	0	0.0	0.00	0.0		2	0.6	255.00	0.9	
	1987	8	1.7	576.56	1.9	0	0.0	0.00	0.0		8	2.7	576.56	1.9	
	1988	159	28.9	4659.13	11.3	0	0.0	0.00	0.0		159	26.6	4659.13	11.2	
	1989	2	0.5	108.58	0.3	0	0.0	0.00	0.0		2	0.5	108.58	0.3	
	TOTAL	241	8.1	7138.93	1.7	2	0.1	0.93	0.1		243	5.5	7139.86	1.7	

APPENDIX D-10 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6L OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES		---ELECTROFISHING---				---SEINING---				---TOTAL---			
		NO.	NO.	WT(G)	WT	NO.	NO.	WT(G)	WT	NO.	NO.	WT(G)	WT
GRASS PICKEREL	1978	6	1.6	106.00	0.6	0	0.0	0.00	0.0	6	1.6	106.00	0.6
	1981	0	0.0	0.00	0.0	1	4.3	2.04	0.6	1	0.3	2.04	0.6
	1985	1	0.4	62.00	0.1	0	0.0	0.00	0.0	1	0.2	62.00	0.1
	1986	0	0.0	0.00	0.0	3	3.9	60.19	13.2	3	0.8	60.19	13.2
	1987	0	0.0	0.00	0.0	1	1.3	5.08	11.4	1	0.3	5.08	11.4
	1989	0	0.0	0.00	0.0	3	4.6	20.37	10.1	3	0.7	20.37	10.1
	TOTAL	7	0.4	168.00	0.1	8	1.2	87.68	7.8	15	0.6	255.68	0.1
NORTHERN PIKE	1978	1	0.3	37.00	0.2	0	0.0	0.00	0.0	1	0.3	37.00	0.2
	1981	1	0.3	525.00	0.7	0	0.0	0.00	0.0	1	0.3	525.00	0.7
	1982	1	1.0	30.00	0.1	0	0.0	0.00	0.0	1	0.3	30.00	0.1
	1984	1	0.6	49.00	0.1	0	0.0	0.00	0.0	1	0.4	49.00	0.1
	1987	1	0.5	950.00	3.2	0	0.0	0.00	0.0	1	0.3	950.00	3.2
	TOTAL	5	0.4	1591.00	0.8	0	0.0	0.00	0.0	5	0.3	1591.00	0.8
CARP	1977	10	3.8	11265.50	21.9	0	0.0	0.00	0.0	10	1.8	11265.50	21.9
	1978	3	0.8	3515.00	20.5	0	0.0	0.00	0.0	3	0.8	3515.00	20.5
	1979	6	2.2	6560.00	21.8	0	0.0	0.00	0.0	6	1.7	6560.00	21.8
	1981	12	3.9	8619.00	11.5	0	0.0	0.00	0.0	12	3.7	8619.00	11.5
	1982	3	3.1	2140.00	8.6	0	0.0	0.00	0.0	3	1.7	2140.00	8.6
	1984	1	0.8	1100.00	2.7	0	0.0	0.00	0.0	7	0.4	1100.00	2.7
	1986	7	1.3	638.00	1.5	0	0.0	0.00	0.0	7	1.2	638.00	1.5
	1989	12	3.3	8705.00	23.3	0	0.0	0.00	0.0	12	2.8	8705.00	23.3
	TOTAL	54	2.3	42752.50	13.4	0	0.0	0.00	0.0	54	1.7	42752.50	13.3
HONEYHEAD CHUB	1977	0	0.0	0.00	0.0	1	0.3	0.16	0.0	1	0.2	0.16	0.0
	1978	0	0.0	0.00	0.0	1	9.1	0.25	5.0	1	0.3	0.25	5.0
	1979	0	0.0	0.00	0.0	3	4.1	1.24	0.3	3	0.9	1.24	0.0
	1986	0	0.0	0.00	0.0	1	2.1	2.27	1.6	1	0.2	2.27	0.0
	1989	1	0.3	28.00	0.1	0	0.0	0.00	0.0	1	0.2	28.00	0.1
	TOTAL	1	0.1	28.00	0.0	6	1.2	3.92	0.4	7	0.3	31.92	0.0
EMERALD SHINER	1977	2	0.8	12.19	0.0	0	0.0	0.00	0.0	2	0.4	12.19	0.0
	1985	0	0.0	0.00	0.0	5	1.3	0.35	0.4	5	0.6	0.35	0.0
TOTAL	2	0.4	12.19	0.0	5	0.7	0.35	0.1	7	0.6	12.54	0.0	
STRIPED SHINER	1977	0	0.0	0.00	0.0	2	0.7	1.84	0.5	2	0.4	1.84	0.0
	1978	3	0.8	17.35	0.1	6	54.9	1.45	28.9	9	2.3	18.80	0.1
	1979	0	0.0	0.00	0.0	13	17.6	2.79	0.8	13	1.8	2.79	0.0
	1981	0	0.0	0.00	0.0	1	4.3	0.27	0.1	1	0.3	0.27	0.0
	1982	1	1.0	7.07	0.0	43	57.6	39.44	66.8	44	25.4	46.51	0.2
	1983	0	0.0	0.00	0.0	24	90.5	76.30	90.5	24	64.4	76.30	0.2
	1984	0	0.0	0.00	0.0	111	86.0	24.50	61.7	111	42.7	24.50	0.1
	1985	3	1.1	17.79	0.0	137	35.3	49.92	51.3	140	21.3	67.71	0.1
	1986	1	0.4	5.20	0.0	23	29.9	5.68	1.2	24	6.8	10.88	0.0
	1987	8	3.7	4.60	0.0	26	35.4	9.10	18.2	34	12.2	12.70	0.0
	1988	12	2.2	42.22	0.1	6	17.0	16.48	11.5	20	3.3	58.70	0.1
	1989	4	1.1	21.15	0.1	19	13.8	2.20	1.1	23	3.0	23.35	0.1
	TOTAL	52	1.0	114.38	0.0	629	40.6	228.97	10.4	661	13.8	344.35	0.1
ROSYFACE SHINER	1977	1	0.4	6.09	0.0	14	4.6	6.39	1.7	15	2.6	12.48	0.0
	1979	0	0.0	0.00	0.0	19	25.7	6.33	1.7	19	5.5	6.33	0.0
	1982	0	0.0	0.00	0.0	30	39.5	12.06	20.4	30	17.3	12.06	0.0
	1983	1	0.9	0.78	0.0	3	1.1	0.17	0.2	4	1.0	0.95	0.0
	1984	0	0.0	0.00	0.0	1	0.8	0.22	0.7	1	0.4	0.22	0.0
	1985	2	0.7	0.70	0.0	23	6.0	3.00	3.2	25	3.8	3.70	0.0
	1987	5	2.3	5.83	0.0	1	1.3	0.03	0.1	6	2.0	5.86	0.0
	1988	28	5.1	21.51	0.1	0	0.0	0.00	0.0	28	4.7	21.51	0.1
	1989	3	0.8	6.19	0.0	0	0.0	0.00	0.0	3	0.7	6.19	0.0
	TOTAL	40	1.8	41.10	0.0	91	6.3	28.20	2.0	131	3.5	69.30	0.0
SPOTTIN SHINER	1977	11	4.2	47.53	0.1	110	35.8	97.21	25.5	121	21.3	144.74	0.3
	1978	5	1.3	17.12	0.1	1	9.1	1.28	25.5	6	1.6	16.40	0.1
	1979	1	0.4	1.97	0.0	8	10.8	8.78	2.4	9	2.6	10.75	0.0
	1981	1	0.3	3.50	0.0	11	17.8	14.13	4.3	12	3.7	17.63	0.0
	1982	2	2.1	7.56	0.0	1	1.3	2.00	6.8	3	1.7	11.76	0.0
	1983	9	6.1	30.34	0.1	4	1.5	1.85	2.2	13	3.4	32.19	0.1
	1984	0	0.0	0.00	0.0	8	6.2	4.63	15.4	8	3.1	4.63	0.0
	1985	22	6.1	86.36	0.2	7	1.8	0.55	0.6	29	4.4	86.91	0.2
	1987	22	10.2	31.36	0.1	31	39.2	11.15	25.1	53	18.0	42.51	0.1
	1988	5	0.9	16.00	0.0	0	0.0	0.00	0.0	5	0.8	16.00	0.0
	1989	6	1.6	17.33	0.0	8	12.3	1.14	0.6	14	3.2	18.47	0.0
	TOTAL	84	2.6	259.27	0.1	169	12.8	144.72	8.3	273	6.2	403.99	0.1
SAND SHINER	1977	0	0.0	0.00	0.0	21	6.8	2.68	0.7	21	3.7	2.68	0.0
	1979	0	0.0	0.00	0.0	1	1.4	0.22	0.1	1	0.3	0.22	0.0
	1986	4	1.4	3.56	0.0	0	0.0	0.00	0.0	4	1.1	3.56	0.0
	TOTAL	4	0.5	3.56	0.0	22	4.8	2.90	0.2	26	2.1	6.46	0.0
REDFIN SHINER	1977	0	0.0	0.00	0.0	8	2.6	1.19	0.3	8	1.4	1.19	0.0
	1987	1	0.5	0.86	0.0	0	0.0	0.00	0.0	1	0.3	0.86	0.0
	1988	2	0.4	0.33	0.0	0	0.0	0.00	0.0	2	0.3	0.33	0.0
	1989	4	1.1	4.01	0.0	1	1.5	0.97	0.5	5	1.2	4.98	0.0
	TOTAL	7	0.5	5.40	0.0	9	1.8	2.16	0.3	16	0.6	7.56	0.0
MIMIC SHINER	1986	1	0.4	0.54	0.0	0	0.0	0.00	0.0	1	0.2	0.54	0.0
	1987	7	3.7	6.53	0.0	3	3.8	2.17	4.9	10	3.4	8.70	0.0
	1989	4	1.1	5.87	0.0	0	0.0	0.00	0.0	4	0.9	5.87	0.0
	TOTAL	12	1.4	12.94	0.0	3	1.4	2.17	0.3	15	1.4	15.11	0.0
SUCKERMOUTH MINNOW	1979	1	0.4	0.65	0.0	0	0.0	0.00	0.0	1	0.3	0.65	0.0
	TOTAL	1	0.4	0.65	0.0	0	0.0	0.00	0.0	1	0.3	0.65	0.0
BLUNTNOSE MINNOW	1977	3	1.2	11.33	0.0	27	8.8	21.25	5.6	30	5.3	32.58	0.1
	1978	31	8.3	62.76	0.4	2	18.2	1.55	30.9	33	8.5	64.31	0.4
	1979	6	2.2	26.32	0.1	17	23.0	14.31	3.9	23	6.6	40.63	0.1
	1981	1	0.3	2.90	0.0	2	8.7	1.53	0.5	3	0.9	4.43	0.0
	1982	1	1.0	4.50	0.0	1	1.3	2.46	4.2	2	1.2	6.96	0.0
	1985	4	1.5	9.62	0.0	5	1.3	1.66	1.8	9	1.4	11.28	0.0
	1986	11	4.0	19.11	0.1	11	14.3	10.34	2.3	22	6.2	29.45	0.1
	1987	2	0.9	2.64	0.0	6	7.6	6.87	15.4	8	2.7	9.51	0.0
	1988	23	4.2	55.65	0.1	2	4.3	6.13	4.3	25	4.2	61.78	0.1
	1989	8	1.1	5.81	0.0	7	10.8	8.63	4.2	15	2.5	17.44	0.0
	TOTAL	86	2.9	203.64	0.1	80	7.0	74.73	3.6	166	4.0	278.37	0.1
FATHEAD MINNOW	1981	1	0.3	3.80	0.0	0	0.0	0.00	0.0	1	0.3	3.80	0.0
	TOTAL	1	0.3	3.80	0.0	0	0.0	0.00	0.0	1	0.3	3.80	0.0
BULLHEAD MINNOW	1977	1	0.4	2.52	0.0	24	7.8	9.80	2.6	25	4.4	12.32	0.0
	1978	1	0.3	1.88	0.0	0	0.0	0.00	0.0	1	0.3	1.88	0.0
	1979	1	0.4	3.25	0.0	0	0.0	0.00	0.0	1	0.3	3.25	0.0
	1981	1	0.9	2.91	0.0	0	0.0	0.00	0.0	1	0.3	2.91	0.0
	1985	4	1.5	11.97	0.0	0	0.0	0.00	0.0	4	0.6	11.97	0.0
	TOTAL	8	0.6	32.33	0.0	24	2.3	9.80	1.0				

APPENDIX D-10 (CONT.): TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6L OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES	ELECTROFISHING			SEIKING			TOTAL		
	NO.	NO.	WT (G)	NO.	NO.	WT (G)	NO.	NO.	WT (G)
RIVER CARPSUCKER	1979	1	0.3	750.00	2.0	0.0	0.0	0.0	0.0
TOTAL	1	0.3	750.00	2.0	0.0	0.0	1	0.2	750.00
QUILLBACK	1977	5	1.9	3184.00	6.2	0.0	0.0	5	0.9
1978	5	1.3	2014.00	11.8	0.0	0.0	5	1.3	2014.00
1979	7	2.6	1358.00	4.5	0.0	0.0	7	2.6	1358.00
1981	1	0.3	600.00	0.8	0.0	0.0	1	0.3	600.00
1982	5	2.2	2220.00	6.9	0.0	0.0	5	2.2	2220.00
1983	31	27.9	15742.00	50.3	0.0	0.0	31	27.9	15742.00
1984	20	15.3	11306.00	27.8	0.0	0.0	20	15.3	11306.00
1985	18	6.6	9705.00	20.4	0.0	0.0	18	6.6	9705.00
1986	3	1.1	1785.00	6.7	0.0	0.0	3	1.1	1785.00
1987	5	2.8	4330.00	14.4	0.0	0.0	5	2.8	4330.00
1988	10	1.8	6832.50	16.5	0.0	0.0	10	1.8	6832.50
1989	2	0.5	646.81	1.7	0.0	0.0	2	0.5	646.81
TOTAL	113	3.5	59722.91	13.1	0.0	0.0	113	3.5	59722.91
NORTHERN HOGSUCKER	1979	2	0.7	1046.00	3.5	0.0	0.0	2	0.6
1981	4	1.3	1365.00	1.8	0.0	0.0	4	1.2	1365.00
1982	5	2.3	2005.00	8.0	0.0	0.0	5	2.3	2005.00
1983	3	2.7	1186.00	3.8	0.0	0.0	3	2.7	1186.00
1984	12	9.2	5204.00	12.8	0.0	0.0	12	9.2	5204.00
1985	7	2.6	2279.00	4.8	0.0	0.0	7	2.6	2279.00
1986	4	1.4	401.00	1.5	0.0	0.0	4	1.4	401.00
1987	4	1.9	1050.00	3.5	0.0	0.0	4	1.9	1050.00
1988	4	0.7	1332.82	3.2	0.0	0.0	4	0.7	1332.82
1989	1	0.3	40.00	0.1	0.0	0.0	1	0.2	40.00
TOTAL	46	1.6	15908.82	4.1	0.0	0.0	46	1.6	15908.82
BIGHORN BUFFALO	1979	1	0.4	2155.00	7.2	0.0	0.0	1	0.3
TOTAL	1	0.4	2155.00	7.2	0.0	0.0	1	0.3	2155.00
SPOTTED SUCKER	1985	1	0.4	0.91	0.0	0.0	0.0	1	0.2
TOTAL	1	0.4	0.91	0.0	0.0	0.0	1	0.2	0.91
SILVER REDHORSE	1977	3	1.2	795.27	1.5	0.0	0.0	3	0.5
1978	1	0.3	54.00	0.3	0.0	0.0	1	0.3	54.00
1979	2	0.7	1503.00	3.0	0.0	0.0	2	0.6	1503.00
1981	13	4.3	6083.00	8.0	0.0	0.0	13	4.0	6083.00
1982	7	7.2	7020.00	28.1	0.0	0.0	7	7.2	7020.00
1983	7	6.3	4085.00	13.1	0.0	0.0	7	6.3	4085.00
1984	7	5.3	7515.00	18.5	0.0	0.0	7	5.3	7515.00
1985	1	0.4	185.00	0.4	0.0	0.0	1	0.2	185.00
1986	2	0.7	2860.00	10.6	0.0	0.0	2	0.6	2860.00
1987	2	0.4	157.00	0.4	0.0	0.0	2	0.3	157.00
1989	3	0.8	166.00	0.5	0.0	0.0	3	0.7	166.00
TOTAL	48	1.6	30445.27	7.2	0.0	0.0	48	1.1	30445.27
RIVER REDHORSE	1977	17	6.5	1872.00	3.6	1	0.3	18	3.2
1978	3	0.8	203.00	1.2	0.0	0.0	3	0.8	203.00
1979	20	7.4	492.30	1.6	0.0	0.0	20	5.8	492.30
1981	5	1.6	2099.00	2.7	0.0	0.0	5	1.5	2099.00
1982	3	3.1	1590.00	6.4	0.0	0.0	3	1.7	1590.00
1983	1	0.9	56.00	0.2	0.0	0.0	1	0.3	56.00
1985	1	0.4	45.00	0.1	0.0	0.0	1	0.2	45.00
1986	29	10.5	2374.18	8.9	0.0	0.0	29	6.2	2374.18
1987	11	5.1	1776.00	5.9	0.0	0.0	11	3.7	1776.00
1988	5	0.9	2080.00	5.0	0.0	0.0	5	0.8	2080.00
1989	4	1.1	4831.00	13.0	0.0	0.0	4	0.9	4831.00
TOTAL	99	3.2	17418.48	4.2	1	0.3	100	2.2	17421.00
GOLDEN REDHORSE	1977	38	14.6	10406.00	20.2	0	0.0	38	6.7
1978	11	2.9	58.00	3.4	0.0	0.0	11	2.8	58.00
1979	30	18.4	4623.68	19.4	1	0.4	31	14.7	4623.68
1981	70	21.0	11136.90	14.6	0	0.0	70	21.4	11136.90
1982	11	11.3	1938.00	7.8	0	0.0	11	6.4	1938.00
1983	16	14.4	5774.00	18.0	0	0.0	16	4.2	5774.00
1984	37	26.2	6771.00	15.9	0	0.0	37	14.2	6771.00
1985	51	18.8	12331.51	25.9	0	0.0	51	7.8	12331.51
1986	77	26.7	8139.46	30.6	3	3.9	77	21.6	8139.46
1987	56	26.0	7569.43	25.2	0	0.0	56	19.0	7569.43
1988	39	7.1	9589.82	23.2	0	0.0	39	6.5	9589.82
1989	32	6.7	5587.00	15.0	0	0.0	32	7.4	5587.00
TOTAL	445	15.0	84004.80	18.5	4	0.3	489	10.2	84074.78
SHORTHEAD REDHORSE	1977	27	10.4	6797.34	13.2	0	0.0	27	4.8
1978	2	0.5	27.32	0.2	0	0.0	2	0.5	27.32
1979	9	3.3	1151.80	3.6	0	0.0	9	2.6	1151.80
1981	67	22.0	28420.00	37.2	0	0.0	67	20.5	28420.00
1982	5	5.2	1650.00	6.6	0	0.0	5	2.9	1650.00
1983	2	1.8	130.00	0.4	0	0.0	2	0.5	130.00
1984	4	3.1	210.00	0.5	0	0.0	4	1.5	210.00
1985	13	4.8	2788.07	5.9	0	0.0	13	2.0	2788.07
1986	24	8.7	846.00	3.2	0	0.0	24	6.8	846.00
1987	1	0.5	56.00	0.2	0	0.0	1	0.3	56.00
1988	15	2.7	1641.72	4.0	0	0.0	15	2.5	1641.72
1989	9	2.4	318.39	0.8	0	0.0	9	2.1	318.39
TOTAL	178	5.5	44032.64	9.7	0	0.0	178	3.7	44032.64
UNIDENTIFIED REDHORSE	1977	10	3.8	39.84	0.1	0	0.0	10	1.8
1978	17	4.5	14.14	0.1	0	0.0	17	4.4	14.14
1979	1	0.4	1.02	0.0	2	2.7	3	0.9	2.16
TOTAL	28	3.1	55.00	0.1	2	0.5	30	2.3	56.14
BLACK BULLHEAD	1981	1	0.3	140.00	0.2	0	0.0	1	0.3
TOTAL	1	0.3	140.00	0.2	0	0.0	1	0.3	140.00
CHANNEL CATFISH	1977	7	2.7	3132.16	6.1	0	0.0	7	1.2
1979	2	0.7	1019.00	3.4	0	0.0	2	0.6	1019.00
1981	1	0.3	2530.00	3.3	0	0.0	1	0.3	2530.00
1984	2	1.5	2637.00	6.5	0	0.0	2	0.8	2637.00
1987	1	0.5	3648.00	12.1	0	0.0	1	0.3	3648.00
TOTAL	13	1.1	12962.16	5.7	0	0.0	13	0.7	12962.16
STONECAT	1983	1	0.9	28.63	0.1	0	0.0	1	0.3
TOTAL	1	0.9	28.63	0.1	0	0.0	1	0.3	28.63

APPENDIX D-10 (CONT.) TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88, AND JULY/AUGUST 1989.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	NO.	WT (G)	NO.	NO.	WT (G)	NO.	NO.	WT (G)
BLACKSTRIPED TOPMINNOW	1983	0	0.0	0.00	0.0	3	1.1	5.14	6.1
	1986	0	0.0	0.00	0.0	8	10.4	3.69	0.8
	1987	0	0.0	0.00	0.0	8	7.8	0.85	1.9
	1988	0	0.0	0.00	0.0	12	23.5	6.40	4.5
	TOTAL	0	0.0	0.00	0.0	29	41.8	16.09	8.2
BROOK SILVERSIDE	1977	0	0.0	0.00	0.0	18	5.9	8.59	2.3
	1984	0	0.0	0.00	0.0	4	3.1	0.31	1.0
	1985	0	0.0	0.00	0.0	207	53.6	28.16	30.1
	1986	0	0.0	0.00	0.0	4	5.2	0.65	0.1
	1987	3	1.4	5.84	0.0	0	7.0	0.00	0.0
	1988	3	0.5	2.81	0.0	0	0.0	0.00	0.0
	1989	5	1.4	11.04	0.0	22	22.8	8.09	3.2
	TOTAL	11	0.5	19.69	0.0	255	23.4	43.80	3.2
ROCK BASS	1977	38	14.6	3831.00	7.4	1	0.3	0.68	0.2
	1978	38	10.1	3334.00	19.5	0	0.0	0.00	0.0
	1979	43	15.8	3269.00	10.9	2	2.7	240.00	64.7
	1981	51	16.8	7666.00	10.0	0	0.0	0.00	0.0
	1982	4	4.1	729.00	2.9	0	0.0	0.00	0.0
	1983	3	2.7	380.00	1.2	0	0.0	0.00	0.0
	1984	3	2.3	325.00	0.8	0	0.0	0.00	0.0
	1985	21	7.7	2060.00	4.3	0	0.0	0.00	0.0
	1986	38	13.7	5040.72	19.0	3	3.9	82.00	18.0
	1987	25	11.6	3261.00	10.9	0	0.0	0.00	0.0
	1988	55	10.0	6347.25	15.3	4	8.5	23.89	16.7
	1989	30	9.2	4974.00	13.3	5	7.7	45.44	22.2
	TOTAL	353	10.9	41216.97	9.1	15	1.0	392.01	17.8
GREEN SUNFISH	1977	3	1.2	43.00	0.1	1	0.3	0.22	0.1
	1978	31	8.3	483.91	2.8	0	0.0	0.00	0.0
	1979	10	3.7	196.00	0.7	0	0.0	0.00	0.0
	1981	13	4.3	233.00	0.3	0	0.0	0.00	0.0
	1982	6	6.2	75.03	0.3	0	0.0	0.00	0.0
	1983	2	1.8	67.00	0.2	0	0.0	0.00	0.0
	1984	1	0.4	5.58	0.0	1	1.3	78.00	17.1
	1987	1	0.5	1.12	0.0	0	0.0	0.00	0.0
	1988	1	0.2	22.00	0.1	0	0.0	0.00	0.0
	1989	4	0.1	12.84	0.0	0	0.0	0.00	0.0
	TOTAL	72	2.5	1139.48	0.3	2	0.2	78.22	3.8
ORANGESPOTTED SUNFISH	1977	2	0.8	15.97	0.0	4	1.3	0.88	0.2
	1978	5	1.3	30.00	0.2	0	0.0	0.00	0.0
	1979	5	1.8	43.93	0.1	0	0.0	0.00	0.0
	1981	3	1.0	15.00	0.0	0	0.0	0.00	0.0
	1982	1	1.0	10.00	0.0	0	0.0	0.00	0.0
	1983	5	1.8	33.95	0.1	3	1.9	14.54	3.7
	1987	3	1.4	36.00	0.1	0	0.0	0.00	0.0
	1988	3	0.5	50.00	0.1	1	2.1	0.00	0.0
	TOTAL	27	1.1	234.35	0.1	8	1.2	15.47	0.9
BLUESILL	1977	0	0.0	0.00	0.0	3	1.0	0.62	0.2
	1978	6	1.6	67.00	0.4	0	0.0	0.00	0.0
	1982	2	2.1	32.00	0.1	0	0.0	0.00	0.0
	1983	1	0.9	11.44	0.0	0	0.0	0.00	0.0
	1986	1	0.4	0.87	0.0	8	10.4	38.73	8.4
	1987	2	0.9	6.23	0.0	2	2.5	8.88	22.7
	1989	8	2.2	181.00	0.4	2	3.1	7.89	3.5
	TOTAL	20	1.2	248.54	0.1	15	1.7	56.79	4.8
CENTRAL LONGEAR SUNFISH	1977	2	0.8	24.02	0.0	0	0.0	0.00	0.0
	TOTAL	2	0.8	24.02	0.0	0	0.0	0.00	0.0
NORTHERN LONGEAR SUNFISH	1977	22	8.5	394.87	0.8	0	0.0	0.00	0.0
	TOTAL	22	8.5	394.87	0.8	0	0.0	0.00	0.0
LONGEAR SUNFISH	1978	77	20.5	1458.00	6.5	0	0.0	0.00	0.0
	1979	36	13.2	809.73	2.7	4	5.4	77.98	2.0
	1981	23	7.6	333.00	0.7	2	8.7	7.98	2.1
	1982	11	11.3	301.00	1.2	0	0.0	0.00	0.0
	1983	3	3.7	57.82	0.2	0	0.0	0.00	0.0
	1984	3	2.3	39.00	0.1	0	0.0	0.00	0.0
	1985	7	2.6	101.26	0.2	0	0.0	0.00	0.0
	1986	16	5.8	244.40	0.9	9	11.7	104.11	22.9
	1987	9	4.2	184.26	0.6	0	0.0	0.00	0.0
	1988	9	1.6	159.00	0.4	2	4.3	8.48	5.9
	1989	36	9.8	795.90	2.1	6	9.2	58.38	42.3
	TOTAL	230	7.7	4683.37	1.2	23	1.9	284.93	15.6
ORANGESPOTTED KLONDEAR SUNFISH	1981	1	0.3	9.00	0.0	0	0.0	0.00	0.0
	TOTAL	1	0.3	9.00	0.0	0	0.0	0.00	0.0
UNIDENTIFIED SUNFISH	1981	0	0.0	0.00	0.0	3	13.0	0.36	0.1
	1983	0	0.0	0.00	0.0	1	0.4	0.15	0.2
	TOTAL	0	0.0	0.00	0.0	4	1.3	0.51	0.1
SMALLMOUTH BASS	1977	48	18.5	9306.00	18.1	1	0.3	3.28	0.9
	1978	61	18.3	4244.21	24.8	0	0.0	0.00	0.0
	1979	43	23.2	5428.89	18.1	0	0.0	0.00	0.0
	1981	14	4.8	2978.00	3.9	0	0.0	0.00	0.0
	1982	19	19.6	4427.00	17.7	0	0.0	0.00	0.0
	1983	25	22.5	3170.00	10.1	0	0.0	0.00	0.0
	1984	40	30.5	5558.00	13.7	0	0.0	0.00	0.0
	1985	112	41.3	17865.15	37.6	2	0.5	9.98	10.7
	1986	58	20.9	3780.82	14.2	0	0.0	0.00	0.0
	1987	36	16.7	6492.00	21.6	0	0.0	0.00	0.0
	1988	158	28.7	7503.99	18.3	16	34.0	79.18	55.3
	1989	161	43.8	9874.55	26.5	2	3.1	25.07	12.3
	TOTAL	795	24.6	80708.61	17.7	21	1.4	117.51	5.3
LARGEMOUTH BASS	1977	7	2.7	137.00	0.3	1	0.3	28.85	7.6
	1978	11	2.9	159.51	0.9	0	0.0	0.00	0.0
	1979	1	0.4	3.59	0.0	1	1.4	3.00	0.8
	1981	3	1.0	345.00	0.5	0	0.0	0.00	0.0
	1982	2	2.1	6.92	0.0	0	0.0	0.00	0.0
	1983	1	0.9	7.00	0.0	0	0.0	0.00	0.0
	1985	1	0.4	7.32	0.0	0	0.0	0.00	0.0
	1987	2	0.9	53.64	0.2	0	0.0	0.00	0.0
	1989	1	0.3	77.00	0.2	0	0.0	0.00	0.0
	TOTAL	29	1.3	796.98	0.2	2	0.2	31.85	2.0

APPENDIX D-10 (CONT.) TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6L OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES	ELECTROFISHING				SEINING				TOTAL			
	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT
WHITE CRAPPIE	1977	1	0.4	2.51	0.0	0	0.0	0.00	0.0	1	0.4	2.51
	1979	2	0.7	163.00	0.5	0	0.0	0.00	0.0	2	0.7	163.00
	1981	10	3.2	998.00	1.3	3	13.0	305.00	22.1	13	2.0	1303.00
	1982	1	1.0	162.00	0.6	0	0.0	0.00	0.0	1	1.0	162.00
	1983	2	1.6	313.00	1.0	0	0.0	0.00	0.0	2	1.6	313.00
	TOTAL	16	1.3	1638.51	0.6	3	0.4	305.00	24.9	19	1.1	1943.51
BLACK CRAPPIE	1977	0	0.0	0.00	0.0	6	2.0	190.04	49.9	6	1.1	190.04
	1978	0	0.0	0.00	0.0	1	0.1	0.49	0.6	1	0.3	0.49
	1979	2	0.7	201.00	0.7	1	1.4	1.28	0.3	3	0.9	202.28
	1981	2	0.7	621.00	0.8	0	0.0	0.00	0.0	2	0.6	621.00
	1982	0	0.0	0.00	0.0	1	1.3	1.09	1.8	1	0.6	1.09
	1986	2	0.7	442.00	1.7	0	0.0	0.00	0.0	2	0.6	442.00
	TOTAL	6	0.4	1264.00	0.6	9	1.6	192.90	12.0	15	0.7	1456.90
JOHNNY DARTER	1977	0	0.0	0.00	0.0	2	0.7	0.58	0.2	2	0.4	0.58
	1978	1	0.3	0.41	0.0	0	0.0	0.00	0.0	1	0.3	0.41
	1979	0	0.0	0.00	0.0	2	2.7	0.62	0.2	2	0.6	0.62
	1987	0	0.0	0.00	0.0	1	1.3	0.25	0.6	1	0.3	0.25
	TOTAL	1	0.1	0.41	0.0	5	1.1	1.55	0.2	6	0.4	1.96
BANDIED DARTER	1988	1	0.2	0.59	0.0	1	2.1	0.39	0.3	2	0.3	0.94
	1989	1	0.3	0.87	0.0	0	0.0	0.00	0.0	1	0.2	0.87
	TOTAL	2	0.2	1.46	0.0	1	0.9	0.39	0.1	3	0.3	1.85
YELLOW PERCH	1979	1	0.4	0.94	0.0	0	0.0	0.00	0.0	1	0.3	0.94
	TOTAL	1	0.4	0.94	0.0	0	0.0	0.00	0.0	1	0.3	0.94
LOG PERCH	1987	1	0.5	3.21	0.0	0	0.0	0.00	0.0	1	0.3	3.21
	1988	6	1.1	16.75	0.0	0	0.0	0.00	0.0	6	1.0	16.75
	1989	20	5.4	151.68	0.4	0	0.0	0.00	0.0	20	4.6	151.68
	TOTAL	27	2.4	173.64	0.2	0	0.0	0.00	0.0	27	2.0	173.64
SLENDERHEAD DARTER	1985	1	0.4	0.98	0.0	0	0.0	0.00	0.0	1	0.2	0.98
	1986	1	0.2	1.29	0.0	0	0.0	0.00	0.0	1	0.2	1.29
	1989	7	1.9	16.42	0.0	0	0.0	0.00	0.0	7	1.6	16.42
	TOTAL	9	0.8	18.25	0.0	0	0.0	0.00	0.0	9	0.3	18.69
WALLEYE	1981	1	0.3	1230.00	1.6	0	0.0	0.00	0.0	1	0.3	1230.00
	1983	1	0.9	160.00	0.5	0	0.0	0.00	0.0	1	0.3	160.00
	TOTAL	2	0.5	1390.00	1.3	0	0.0	0.00	0.0	2	0.3	1390.00
FRESHWATER DRUM	1986	1	0.4	325.00	1.2	0	0.0	0.00	0.0	1	0.3	325.00
	TOTAL	1	0.4	325.00	1.2	0	0.0	0.00	0.0	1	0.3	325.00

APPENDIX D-11. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6R OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES	ELECTROFISHING				SEINING				TOTAL			
	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT
LONGNOSE GAR	1977	2	2.5	115.00	0.6	0	0.0	0.00	0.0	2	0.2	115.00
	1983	0	0.0	0.00	0.0	1	1.4	9.37	17.2	1	0.7	9.37
	1986	2	1.1	76.00	0.8	0	0.0	0.00	0.0	2	0.7	76.00
	1989	0	0.0	0.00	0.0	3	3.8	4.25	6.3	3	1.5	4.25
	TOTAL	4	0.9	191.00	0.4	4	0.3	13.62	0.8	8	0.4	204.62
GIZZARD SHAD	1977	1	1.2	9.83	0.1	2	0.2	0.23	0.0	3	0.2	10.06
	1981	1	0.9	25.00	0.1	0	0.0	0.00	0.0	1	0.2	25.00
	1982	1	3.7	6.00	0.1	0	0.0	0.00	0.0	1	0.7	6.00
	1983	1	0.3	21.00	0.3	0	0.0	0.00	0.0	1	0.1	21.00
	1986	1	1.0	93.00	1.5	0	0.0	0.00	0.0	1	0.4	93.00
	1987	1	1.6	107.00	1.8	0	0.0	0.00	0.0	1	0.8	107.00
	1988	35	16.7	1568.26	16.0	0	0.0	0.00	0.0	35	11.7	1568.26
	1989	1	0.8	109.00	1.3	0	0.0	0.00	0.0	1	0.5	109.00
	TOTAL	42	4.6	1939.09	1.8	2	0.1	0.23	0.0	44	1.4	1939.32
GRASS PICKEREL	1981	0	0.0	0.00	0.0	1	0.9	2.66	0.5	1	0.5	2.66
	TOTAL	0	0.0	0.00	0.0	1	0.9	2.66	0.5	1	0.5	2.66
NORTHERN PIKE	1984	2	3.4	1021.00	6.0	0	0.0	0.00	0.0	2	2.1	1021.00
	TOTAL	2	3.4	1021.00	6.0	0	0.0	0.00	0.0	2	2.1	1021.00
CENTRAL STONEWALLER	1986	0	0.0	0.00	0.0	1	0.7	0.82	0.4	1	0.4	0.82
	1989	0	0.0	0.00	0.0	1	1.3	0.82	1.2	1	0.5	0.82
	TOTAL	0	0.0	0.00	0.0	2	0.9	1.64	0.6	2	0.5	1.64
GOLDFISH	1987	1	1.6	52.00	0.9	0	0.0	0.00	0.0	1	0.8	52.00
	TOTAL	1	1.6	52.00	0.9	0	0.0	0.00	0.0	1	0.8	52.00
CARP	1977	2	2.5	3939.00	20.4	0	0.0	0.00	0.0	2	0.2	3939.00
	1978	2	5.3	1580.00	31.4	0	0.0	0.00	0.0	2	2.6	1580.00
	1979	1	1.5	630.00	4.6	0	0.0	0.00	0.0	1	0.3	630.00
	1981	4	2.6	5250.00	25.1	0	0.0	0.00	0.0	4	1.6	5250.00
	1982	4	14.8	2665.00	27.0	0	0.0	0.00	0.0	4	10.8	2665.00
	1983	2	2.7	2900.00	20.1	0	0.0	0.00	0.0	2	1.4	2900.00
	1984	1	1.7	2637.00	15.4	0	0.0	0.00	0.0	1	1.0	2637.00
	1986	2	2.0	810.00	13.3	0	0.0	0.00	0.0	2	0.6	810.00
	1988	6	3.2	536.00	5.5	0	0.0	0.00	0.0	6	2.0	536.00
	1989	3	2.4	2250.00	26.3	0	0.0	0.00	0.0	3	1.3	2250.00
	TOTAL	27	3.1	23197.00	16.8	0	0.0	0.00	0.0	27	0.9	23197.00

APPENDIX D-11 (CONT.), TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6R OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-78, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	NO.	WT (G)	WT	NO.	NO.	WT (G)	WT	NO.	NO.	WT (G)	WT
SILVERJAW MINNOW	1979	0	0.0	0.00	0.0	1	0.3	0.34	0.1	1	0.3	0.34	0.0
	1985	0	0.0	0.00	0.0	1	0.2	1.95	0.3	1	0.1	1.95	0.0
	TOTAL	0	0.0	0.00	0.0	2	0.2	2.29	0.2	2	0.2	2.29	0.0
HORRYHEAD CHUB	1979	0	0.0	0.00	0.0	4	1.3	2.97	0.9	4	1.1	2.97	0.0
	1984	0	0.0	0.00	0.0	1	2.6	0.24	0.8	1	1.0	0.24	0.0
	1985	0	0.0	0.00	0.0	6	1.1	5.03	0.7	6	0.8	5.03	0.0
	1986	0	0.0	0.00	0.0	1	0.7	0.10	0.1	1	0.4	0.10	0.0
	1989	2	1.8	22.86	0.3	1	1.3	12.46	18.4	3	1.5	35.32	0.4
	TOTAL	2	0.4	22.86	0.0	13	1.2	20.89	1.5	15	0.9	43.75	0.1
FALLID CHUB	1985	0	0.0	0.00	0.0	1	0.2	0.07	0.0	1	0.1	0.07	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.2	0.07	0.0	1	0.1	0.07	0.0
GOLDEN SHINER	1985	1	0.3	8.74	0.1	0	0.0	0.00	0.0	1	0.1	8.74	0.1
	TOTAL	1	0.3	8.74	0.1	0	0.0	0.00	0.0	1	0.1	8.74	0.1
EMERALD SHINER	1985	0	0.0	0.00	0.0	3	0.5	0.34	0.0	3	0.4	0.34	0.0
	1986	0	0.0	0.00	0.0	1	0.7	0.05	0.0	1	0.4	0.05	0.0
	1989	0	0.0	0.00	0.0	1	1.3	0.32	0.5	1	0.5	0.32	0.0
	TOTAL	0	0.0	0.00	0.0	5	0.6	0.71	0.1	5	0.4	0.71	0.0
STRIPED SHINER	1978	0	0.0	0.00	0.0	6	15.0	2.14	3.4	6	7.7	2.14	0.0
	1979	0	0.0	0.00	0.0	2	0.1	0.36	0.2	2	0.5	0.36	0.0
	1982	0	0.0	0.00	0.0	1	10.0	0.08	0.5	1	2.7	0.08	0.0
	1983	0	0.0	0.00	0.0	26	37.1	7.16	13.2	26	18.2	7.16	0.0
	1984	0	0.0	0.00	0.0	4	10.5	0.56	1.9	4	4.1	0.56	0.0
	1985	3	1.4	9.66	0.1	88	15.6	44.84	6.3	91	11.6	54.50	0.3
	1986	8	8.0	20.57	0.3	2	1.4	0.42	0.2	10	8.1	20.99	0.3
	1988	2	1.1	2.57	0.0	3	2.7	1.16	0.2	5	1.7	3.73	0.0
	1989	0	0.0	0.00	0.0	10	12.8	4.00	5.4	10	5.0	4.00	0.0
	TOTAL	13	1.5	32.80	0.0	142	10.5	60.92	2.7	155	6.9	93.72	0.1
RED SHINER	1983	3	4.1	5.98	0.0	0	0.0	0.00	0.0	3	2.1	5.98	0.0
	1985	2	0.9	10.54	0.1	1	0.2	1.41	0.2	3	0.4	11.95	0.1
	1987	0	0.0	0.00	0.0	1	1.5	0.61	1.4	1	0.8	0.61	0.0
	1989	0	0.0	0.00	0.0	1	1.3	0.28	0.4	1	0.5	0.28	0.0
	TOTAL	5	1.0	16.52	0.0	3	0.4	2.30	0.3	8	0.6	16.82	0.0
ROSEFACE SHINER	1977	1	1.2	1.05	0.0	5	0.4	2.17	0.2	6	0.5	3.22	0.0
	1979	0	0.0	0.00	0.0	11	3.7	4.42	1.3	11	3.0	4.42	0.0
	1981	0	0.0	0.00	0.0	2	1.9	2.26	0.4	2	0.9	2.26	0.0
	1984	0	0.0	0.00	0.0	1	2.6	0.10	0.3	1	1.0	0.10	0.0
	1985	1	0.5	2.05	0.0	23	4.1	5.53	0.8	24	3.1	7.58	0.0
	1986	3	3.0	5.39	0.1	4	2.8	0.16	0.1	7	2.9	5.55	0.1
	1987	1	1.6	4.66	0.1	0	0.0	0.00	0.0	1	0.6	4.66	0.1
	1988	7	3.7	7.10	0.1	17	15.3	14.50	2.0	24	8.1	21.60	0.2
	1989	5	4.0	7.16	0.1	0	0.0	0.00	0.0	5	2.5	7.16	0.1
	TOTAL	18	1.6	27.41	0.0	63	2.5	29.14	0.8	81	2.3	56.55	0.0
SPOTFIN SHINER	1977	6	7.4	34.22	0.2	159	13.9	64.92	9.2	165	13.5	119.24	0.6
	1978	6	15.8	26.32	0.5	10	25.0	27.48	44.0	16	20.5	53.80	1.1
	1979	4	6.0	16.99	0.1	177	59.0	157.43	45.7	181	49.3	174.42	1.3
	1981	4	3.6	26.68	0.1	26	24.5	22.63	4.0	30	13.8	49.31	0.1
	1982	1	3.7	4.64	0.0	0	0.0	0.00	0.0	1	2.7	4.64	0.0
	1983	29	39.7	127.68	0.9	7	10.0	12.36	22.7	36	25.2	140.04	1.0
	1984	6	10.2	15.71	0.1	23	60.5	22.04	75.3	29	29.9	37.75	0.2
	1985	20	9.1	76.88	0.5	99	17.5	147.95	20.6	119	15.2	224.83	1.4
	1986	9	9.0	19.15	0.3	12	8.5	13.07	6.2	21	8.7	32.22	0.5
	1987	8	13.1	12.67	0.2	39	60.0	20.65	47.8	47	37.3	33.92	0.6
	1988	3	1.8	9.93	0.1	1	0.9	1.51	0.2	4	1.3	11.44	0.1
	1989	4	3.2	18.22	0.2	10	12.8	4.38	6.1	14	6.9	22.50	0.3
	TOTAL	100	8.7	389.19	0.2	563	21.1	514.62	13.7	663	17.4	903.81	0.6
SAND SHINER	1977	0	0.0	0.00	0.0	73	6.4	15.56	1.7	73	6.0	15.56	0.1
	1978	0	0.0	0.00	0.0	3	7.5	0.71	1.1	3	3.8	0.71	0.0
	1979	0	0.0	0.00	0.0	56	18.7	33.60	9.8	56	15.3	33.60	0.2
	1983	0	0.0	0.00	0.0	7	10.0	3.25	6.2	7	4.9	3.25	0.0
	1984	0	0.0	0.00	0.0	6	15.8	3.49	11.9	6	6.2	3.49	0.0
	1985	1	0.5	1.62	0.0	67	11.9	65.87	9.2	68	8.7	67.49	0.4
	1986	2	2.0	2.35	0.0	32	23.2	13.91	6.6	34	14.5	16.26	0.3
	1987	0	0.0	0.00	0.0	5	7.7	4.52	10.4	5	4.0	4.52	0.1
	1988	1	0.5	1.31	0.0	0	0.0	0.00	0.0	1	0.3	1.31	0.0
	1989	1	0.8	1.38	0.0	0	0.0	0.00	0.0	1	0.5	1.38	0.0
	TOTAL	5	0.5	6.64	0.0	250	9.8	141.01	4.4	255	7.2	147.85	0.1
REDFIN SHINER	1977	0	0.0	0.00	0.0	2	0.2	0.44	0.0	2	0.2	0.44	0.0
	1988	0	0.0	0.00	0.0	5	4.3	6.66	0.9	5	1.7	6.66	0.1
	TOTAL	0	0.0	0.00	0.0	7	0.6	7.12	0.4	7	0.5	7.12	0.0
MINIC SHINER	1981	0	0.0	0.00	0.0	6	5.7	2.85	0.5	6	2.8	2.85	0.0
	1982	0	0.0	0.00	0.0	1	10.0	1.01	6.3	1	2.7	1.01	0.0
	1985	0	0.0	0.00	0.0	0	0.2	0.89	0.1	1	0.1	0.89	0.0
	1986	0	0.0	0.00	0.0	2	1.4	1.83	0.9	2	0.8	1.83	0.0
	1987	0	0.0	0.00	0.0	5	7.7	2.98	6.8	5	4.0	2.98	0.1
	1989	0	0.0	0.00	0.0	1	1.3	0.50	0.7	1	0.5	0.50	0.0
	TOTAL	0	0.0	0.00	0.0	16	1.7	10.04	0.6	16	1.0	10.04	0.0
SUCKERMOUTH MINNOW	1978	0	0.0	0.00	0.0	3	7.5	0.83	1.3	3	3.8	0.83	0.0
	1979	0	0.0	0.00	0.0	5	1.7	2.31	0.7	5	1.4	2.31	0.0
	1981	0	0.0	0.00	0.0	1	0.9	0.44	0.1	1	0.5	0.44	0.0
	1983	0	0.0	0.00	0.0	3	4.3	1.84	3.4	3	2.1	1.84	0.0
	1985	0	0.0	0.00	0.0	3	0.5	5.70	0.8	3	0.4	5.70	0.0
	1986	0	0.0	0.00	0.0	1	0.7	0.51	0.2	1	0.4	0.51	0.0
	1988	1	0.5	0.76	0.0	0	0.0	0.00	0.0	1	0.3	0.76	0.0
	TOTAL	1	0.1	0.76	0.0	16	1.2	11.63	0.4	17	0.8	12.39	0.0
BLUNTNOSE MINNOW	1977	2	2.5	3.68	0.0	97	8.5	59.99	6.5	99	8.1	63.67	0.3
	1978	0	0.0	0.00	0.0	4	10.0	1.15	1.8	4	5.1	1.15	0.0
	1979	0	0.0	0.00	0.0	10	3.3	11.28	3.3	10	2.7	11.28	0.1
	1981	0	0.0	0.00	0.0	12	11.3	9.08	1.6	12	5.5	9.08	0.0
	1982	0	0.0	0.00	0.0	3	30.0	4.52	28.2	3	8.1	4.52	0.0
	1983	1	1.4	1.17	0.0	21	30.0	13.92	25.6	22	15.4	15.09	0.1
	1984	0	0.0	0.00	0.0	2	5.3	2.14	7.3	2	2.1	2.14	0.0
	1985	9	4.1	21.83	0.1	45	8.0	30.66	4.3	54	6.9	52.49	0.3
	1986	15	15.0	29.99	0.5	75	52.8	85.32	40.7	90	27.2	115.31	1.8
	1987	3	4.9	5.89	0.1	12	18.5	13.32	30.5	15	11.9	19.21	0.3
	1988	12	6.4	33.64	0.3	12	10.8	34.53	8.3	24	8.1	72.17	0.7
	1989	11	8.9	24.36	0.3	85	32.1	15.56	23.0	96	17.8	39.92	0.5
	TOTAL	53	4.6	120.54	0.1	316	11.9	285.47	7.6	371	9.7	406.03	0.2

APPENDIX D-11 (CONT.) TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6A OF THE BRAIDWOOD
 AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
 AND JULY/AUGUST 1989.

SPECIES		---ELECTROFISHING---			---SEINING---			---TOTAL---		
		NO.	SNOW	WT (G)	NO.	SNOW	WT (G)	NO.	SNOW	WT (G)
FATHEAD MINNOW	1981	1	0.9	8.00	0	0.0	0.00	1	0.9	8.00
	TOTAL	1	0.9	8.00	0	0.0	0.00	1	0.9	8.00
BULLHEAD MINNOW	1977	5	5.2	15.43	0	0.0	0.00	5	5.2	15.43
	1978	1	2.6	2.19	0	0.0	0.00	1	2.6	2.19
	1979	2	3.0	3.77	0	0.0	0.00	2	3.0	3.77
	1981	0	0.0	0.00	0	0.0	0.00	0	0.0	0.00
	1982	0	0.0	0.00	0	0.0	0.00	0	0.0	0.00
	1983	1	1.8	1.53	0	0.0	0.00	1	1.8	1.53
	1984	0	0.0	0.00	0	0.0	0.00	0	0.0	0.00
	1985	16	8.2	53.32	0	0.0	0.00	16	8.2	53.32
	1986	3	3.0	3.29	0	0.0	0.00	3	3.0	3.29
	1989	9	3.2	5.79	0	0.0	0.00	9	3.2	5.79
	TOTAL	34	3.8	85.57	0	0.0	0.00	34	3.8	85.57
CREEK CHUB	1970	0	0.0	0.00	0	0.0	0.00	0	0.0	0.00
	1979	0	0.0	0.00	0	0.0	0.00	0	0.0	0.00
	1979	0	0.0	0.00	0	0.0	0.00	0	0.0	0.00
	TOTAL	0	0.0	0.00	0	0.0	0.00	0	0.0	0.00
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0	0.0	0.00	0	0.0	0.00
	1982	0	0.0	0.00	0	0.0	0.00	0	0.0	0.00
	TOTAL	0	0.0	0.00	0	0.0	0.00	0	0.0	0.00
QUILLBACK	1977	7	8.6	1788.27	0	0.0	0.00	7	8.6	1788.27
	1978	2	5.3	114.00	0	0.0	0.00	2	5.3	114.00
	1979	6	11.9	2262.00	0	0.0	0.00	6	11.9	2262.00
	1981	4	3.6	1775.00	0	0.0	0.00	4	3.6	1775.00
	1982	1	2.7	620.00	0	0.0	0.00	1	2.7	620.00
	1983	7	9.6	5290.00	0	0.0	0.00	7	9.6	5290.00
	1984	11	18.6	6445.00	0	0.0	0.00	11	18.6	6445.00
	1985	3	1.4	2090.00	0	0.0	0.00	3	1.4	2090.00
	1986	4	6.6	2410.00	0	0.0	0.00	4	6.6	2410.00
	1988	4	2.1	2342.60	0	0.0	0.00	4	2.1	2342.60
	TOTAL	51	5.5	25156.67	0	0.0	0.00	51	5.5	25156.67
NORTHERN HOGBUCKER	1981	1	0.9	460.00	0	0.0	0.00	1	0.9	460.00
	1982	1	1.7	490.00	0	0.0	0.00	1	1.7	490.00
	1983	2	2.7	540.00	0	0.0	0.00	2	2.7	540.00
	1985	2	0.9	98.01	0	0.0	0.00	2	0.9	98.01
	1986	3	1.0	544.00	0	0.0	0.00	3	1.0	544.00
	1988	3	1.6	302.92	0	0.0	0.00	3	1.6	302.92
	1989	1	0.8	41.00	0	0.0	0.00	1	0.8	41.00
	TOTAL	13	1.5	2477.93	0	0.0	0.00	13	1.5	2477.93
SILVER REDHORSE	1977	3	3.7	2694.91	0	0.0	0.00	3	3.7	2694.91
	1978	3	7.9	1171.04	0	0.0	0.00	3	7.9	1171.04
	1979	1	1.5	8.00	0	0.0	0.00	1	1.5	8.00
	1981	4	3.6	2645.00	0	0.0	0.00	4	3.6	2645.00
	1982	0	0.0	0.00	0	0.0	0.00	0	0.0	0.00
	1984	3	5.1	1393.00	0	0.0	0.00	3	5.1	1393.00
	1986	1	1.0	60.00	0	0.0	0.00	1	1.0	60.00
	1988	2	1.1	104.00	0	0.0	0.00	2	1.1	104.00
	1989	3	2.4	103.00	0	0.0	0.00	3	2.4	103.00
	TOTAL	20	2.5	6175.95	0	0.0	0.00	20	2.5	6175.95
RIVER REDHORSE	1977	1	1.2	67.00	0	0.0	0.00	1	1.2	67.00
	1979	2	3.0	1005.00	0	0.0	0.00	2	3.0	1005.00
	1981	2	1.8	385.00	0	0.0	0.00	2	1.8	385.00
	1982	2	7.4	1150.00	0	0.0	0.00	2	7.4	1150.00
	1985	11	5.0	500.03	0	0.0	0.00	11	5.0	500.03
	1986	4	4.0	455.00	0	0.0	0.00	4	4.0	455.00
	1987	2	3.3	295.00	0	0.0	0.00	2	3.3	295.00
	1989	1	0.8	480.00	0	0.0	0.00	1	0.8	480.00
	TOTAL	25	3.2	4337.03	0	0.0	0.00	25	3.2	4337.03
GOLDEN REDHORSE	1977	5	6.2	1966.00	0	0.0	0.00	5	6.2	1966.00
	1979	6	9.0	312.00	0	0.0	0.00	6	9.0	312.00
	1981	30	26.8	9435.00	0	0.0	0.00	30	26.8	9435.00
	1982	5	18.5	1345.00	0	0.0	0.00	5	18.5	1345.00
	1983	2	2.7	1035.00	0	0.0	0.00	2	2.7	1035.00
	1984	12	20.3	3125.00	0	0.0	0.00	12	20.3	3125.00
	1985	43	19.6	5111.58	0	0.0	0.00	43	19.6	5111.58
	1986	6	6.0	1075.51	0	0.0	0.00	6	6.0	1075.51
	1987	3	4.9	1560.00	0	0.0	0.00	3	4.9	1560.00
	1988	16	8.6	1310.70	0	0.0	0.00	16	8.6	1310.70
	1989	8	4.8	2000.95	0	0.0	0.00	8	4.8	2000.95
	TOTAL	134	12.7	31556.74	0	0.0	0.00	134	12.7	31556.74
SHORTHEAD REDHORSE	1977	10	12.3	4257.46	0	0.0	0.00	10	12.3	4257.46
	1978	2	3.2	69.00	0	0.0	0.00	2	3.2	69.00
	1979	3	4.5	1840.00	0	0.0	0.00	3	4.5	1840.00
	1981	24	21.4	8957.00	0	0.0	0.00	24	21.4	8957.00
	1982	5	18.5	2520.00	0	0.0	0.00	5	18.5	2520.00
	1983	7	9.6	2988.00	0	0.0	0.00	7	9.6	2988.00
	1984	1	1.7	480.00	0	0.0	0.00	1	1.7	480.00
	1985	6	2.7	152.13	0	0.0	0.00	6	2.7	152.13
	1986	1	1.0	505.00	0	0.0	0.00	1	1.0	505.00
	1988	7	1.7	1094.00	0	0.0	0.00	7	1.7	1094.00
	TOTAL	64	6.9	22866.59	0	0.0	0.00	64	6.9	22866.59
UNIDENTIFIED REDHORSE	1977	1	1.2	4.75	0	0.0	0.00	1	1.2	4.75
	1979	0	0.0	0.00	0	0.0	0.00	0	0.0	0.00
	1981	0	0.0	0.00	0	0.0	0.00	0	0.0	0.00
	TOTAL	1	1.2	4.75	0	0.0	0.00	1	1.2	4.75
CHANNEL CATFISH	1977	1	1.2	640.00	0	0.0	0.00	1	1.2	640.00
	1979	1	1.5	1690.00	0	0.0	0.00	1	1.5	1690.00
	1981	1	0.9	3000.00	0	0.0	0.00	1	0.9	3000.00
	TOTAL	3	3.6	5330.00	0	0.0	0.00	3	3.6	5330.00
STONEGAT	1979	1	1.5	13.73	0	0.0	0.00	1	1.5	13.73
	1985	1	0.5	15.00	0	0.0	0.00	1	0.5	15.00
	TOTAL	2	2.0	28.73	0	0.0	0.00	2	2.0	28.73
BLACKSTRIPED TOPMINNOW	1986	0	0.0	0.00	0	0.0	0.00	0	0.0	0.00
	1988	0	0.0	0.00	0	0.0	0.00	0	0.0	0.00
	TOTAL	0	0.0	0.00	0	0.0	0.00	0	0.0	0.00
BROOK SILVERSIDE	1977	0	0.0	0.00	0	0.0	0.00	0	0.0	0.00
	1978	0	0.0	0.00	0	0.0	0.00	0	0.0	0.00
	1985	0	0.0	0.00	0	0.0	0.00	0	0.0	0.00
	1988	3	1.6	2.63	0	0.0	0.00	3	1.6	2.63
	1989	0	0.0	0.00	0	0.0	0.00	0	0.0	0.00
	TOTAL	3	1.6	2.63	0	0.0	0.00	3	1.6	2.63

APPENDIX D-11 (CONT.) TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6R OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	NO.	WT(G)	WT	NO.	NO.	WT(G)	WT	NO.	NO.	WT(G)	WT	
ROCK BASS	1977	12	16.8	1222.00	6.4	34	3.0	347.16	37.6	46	1.8	1569.36	7.6
	1978	7	18.4	1178.00	23.4	0	0.0	0.00	0.0	7	2.0	1178.00	23.4
	1979	9	13.4	1041.00	7.7	0	0.0	0.00	0.0	9	2.5	1041.00	7.7
	1981	11	9.8	1291.00	3.7	1	0.9	130.00	40.9	12	5.3	1521.00	4.3
	1982	1	3.7	16.00	0.2	2	0.0	0.00	0.0	3	2.1	16.00	0.2
	1983	3	4.1	310.00	2.2	0	0.0	0.00	0.0	3	3.1	310.00	2.2
	1984	3	5.1	293.00	1.7	0	0.0	0.00	0.0	3	3.1	293.00	1.7
	1985	28	12.8	1876.00	12.0	0	0.0	0.00	0.0	28	3.3	1876.00	11.5
	1986	7	7.0	507.45	8.3	1	0.7	23.00	11.0	8	8.3	530.45	8.4
	1987	8	13.1	315.00	5.4	0	0.0	0.00	0.0	8	8.3	315.00	5.4
	1988	7	3.7	846.00	8.6	2	1.8	104.42	14.2	9	3.0	950.42	9.0
	1989	6	4.8	444.00	5.2	0	0.0	0.00	0.0	6	3.0	444.00	5.1
	TOTAL	102	8.9	9342.45	5.9	38	1.7	704.78	18.7	140	3.7	10047.23	6.1
GREEN SUNFISH	1977	1	1.2	22.00	0.1	3	0.3	54.66	5.9	4	0.3	76.66	0.4
	1978	1	2.6	6.00	0.1	0	0.0	0.00	0.0	1	1.3	6.00	0.1
	1979	5	7.5	184.00	1.4	0	0.0	0.00	0.0	5	1.4	184.00	1.3
	1981	4	3.6	34.00	0.1	0	0.0	0.00	0.0	4	1.8	34.00	0.1
	1982	2	7.4	16.00	0.2	0	0.0	0.00	0.0	2	5.4	16.00	0.2
	1983	5	6.8	93.00	0.6	1	1.4	0.02	0.0	6	4.2	93.02	0.6
	1984	5	6.5	145.00	0.8	0	0.0	0.00	0.0	5	3.2	145.00	0.8
	1985	3	1.4	155.00	1.0	0	0.0	0.00	0.0	3	0.4	155.00	1.0
	1986	4	4.0	139.00	2.3	3	2.1	0.18	0.1	7	2.9	139.18	2.2
	1987	5	8.2	142.11	2.4	0	0.0	0.00	0.0	5	4.0	142.11	2.4
	1989	2	1.6	7.56	0.1	0	0.0	0.00	0.0	2	1.0	7.56	0.1
	TOTAL	37	3.9	943.67	0.6	7	0.3	54.86	1.8	44	1.3	998.53	0.7
ORANGESPECKLED SUNFISH	1977	0	0.0	0.00	0.0	4	0.3	0.66	0.1	4	0.3	0.66	0.0
	1981	1	0.9	1.00	0.0	20	18.9	54.61	9.7	21	9.6	55.61	0.2
	1986	3	3.0	24.31	0.4	0	0.0	0.00	0.0	3	1.2	24.31	0.4
	1988	0	0.0	0.00	0.0	2	1.8	0.16	0.0	2	0.7	0.16	0.0
	1989	1	0.8	13.00	0.2	0	0.0	0.00	0.0	1	0.5	13.00	0.2
	TOTAL	5	0.8	38.31	0.0	26	1.6	55.43	2.2	31	1.4	93.74	0.1
BLUEGILL	1977	0	0.0	0.00	0.0	4	0.3	1.60	0.2	4	0.3	1.60	0.0
	1979	1	1.5	22.00	0.2	0	0.0	0.00	0.0	1	0.3	22.00	0.2
	1983	1	1.4	29.00	0.2	0	0.0	0.00	0.0	1	0.7	29.00	0.2
	1984	1	1.7	49.00	0.3	0	0.0	0.00	0.0	1	1.0	49.00	0.3
	1985	1	0.5	11.00	0.1	1	0.2	0.15	0.0	2	0.3	11.15	0.1
	1987	0	0.0	0.00	0.0	1	1.5	0.03	0.1	1	0.8	0.03	0.0
	1989	14	11.3	294.00	3.4	0	0.0	0.00	0.0	14	6.9	294.00	3.4
	TOTAL	18	2.6	405.00	0.4	6	0.3	1.78	0.1	24	0.8	406.78	0.4
NORTHERN LONGEAR SUNFISH	1977	4	4.9	77.80	0.4	4	0.3	61.47	6.7	8	0.7	139.27	0.7
	TOTAL	4	4.9	77.80	0.4	4	0.3	61.47	6.7	8	0.7	139.27	0.7
LONGEAR SUNFISH	1977	0	0.0	0.00	0.0	5	0.6	9.30	1.0	5	0.4	9.30	0.0
	1978	8	2.1	153.00	3.7	1	2.5	15.92	25.5	9	11.5	200.92	3.9
	1979	9	13.4	157.00	1.8	0	0.0	0.00	0.0	9	2.5	157.00	1.1
	1981	5	4.5	128.00	0.4	3	2.8	14.14	2.5	8	3.7	142.14	0.4
	1982	1	3.7	45.00	0.5	0	0.0	0.00	0.0	1	2.7	45.00	0.5
	1983	5	6.8	150.88	1.0	0	0.0	0.00	0.0	5	3.5	150.88	1.0
	1984	6	10.2	86.00	0.5	0	0.0	0.00	0.0	6	6.2	86.00	0.5
	1985	17	7.8	267.90	1.7	0	0.0	0.00	0.0	17	2.2	267.90	1.6
	1986	17	17.0	295.01	4.8	2	1.4	56.00	31.5	19	7.8	351.01	5.7
	1987	14	23.0	185.72	3.2	0	0.0	0.00	0.0	14	11.1	185.72	3.1
	1988	28	15.0	662.82	6.8	22	19.8	325.35	44.4	50	16.8	988.17	9.4
	1989	22	11.7	206.88	2.4	4	5.1	12.38	18.3	26	12.9	221.30	2.6
	TOTAL	132	11.5	2371.45	1.5	37	1.2	443.09	11.8	169	4.4	2814.54	1.7
UNIDENTIFIED SUNFISH	1977	0	0.0	0.00	0.0	2	0.2	0.08	0.0	2	0.2	0.08	0.0
	1981	1	0.9	0.91	0.0	0	0.0	0.00	0.0	1	0.5	0.91	0.0
	TOTAL	1	0.5	0.91	0.0	2	0.2	0.08	0.0	3	0.4	0.99	0.0
SMALLMOUTH BASS	1977	9	11.1	1907.00	10.0	5	0.4	34.73	4.0	14	1.1	1941.73	9.7
	1978	4	13.2	703.00	13.9	0	0.0	0.00	0.0	4	6.4	703.00	13.9
	1979	8	11.9	1273.26	9.4	10	0.0	0.00	0.0	18	2.2	1273.26	9.2
	1981	6	5.4	849.00	1.9	4	3.8	0.92	0.2	10	4.6	849.92	1.8
	1982	2	7.4	885.00	9.0	1	10.0	2.19	13.7	3	6.1	887.19	9.0
	1983	4	5.3	860.00	4.0	0	0.0	0.00	0.0	4	2.8	860.00	4.0
	1984	5	10.2	564.00	3.3	0	0.0	0.00	0.0	5	6.2	564.00	3.3
	1985	40	18.3	4155.02	26.5	13	2.3	38.63	5.4	53	6.8	4193.65	25.6
	1986	11	11.0	1501.00	24.6	0	0.0	0.00	0.0	11	4.5	1501.00	23.6
	1987	11	11.0	762.13	13.0	0	0.0	0.00	0.0	11	8.7	762.13	12.9
	1988	46	24.6	906.09	9.2	39	35.1	215.70	29.4	85	28.5	1121.79	10.6
	1989	30	24.2	2339.21	27.3	0	0.0	0.00	0.0	30	14.9	2339.21	27.1
	TOTAL	178	15.5	16484.71	10.3	62	2.3	294.17	7.8	240	6.3	16778.88	10.3
LARGEMOUTH BASS	1977	3	3.7	41.34	0.2	1	0.1	18.30	2.0	4	0.3	61.64	0.3
	1978	1	2.6	5.00	0.1	2	5.0	6.37	10.2	3	3.8	11.37	0.2
	1981	0	0.0	0.00	0.0	1	0.9	0.84	0.1	1	0.5	0.84	0.0
	1982	0	0.0	0.00	0.0	1	10.0	1.04	19.0	1	2.7	1.04	0.0
	1983	0	0.0	0.00	0.0	1	1.4	4.07	7.5	1	0.7	4.07	0.0
	1985	5	2.3	49.91	0.3	0	0.0	0.00	0.0	5	0.6	49.91	0.3
	1988	0	0.0	0.00	0.0	1	0.9	18.34	2.5	1	0.3	18.34	0.2
	1989	3	2.4	162.69	1.9	1	1.3	0.89	1.3	4	2.0	163.58	1.9
	TOTAL	12	1.4	260.94	0.2	6	0.4	51.85	1.7	20	0.7	312.79	0.3
WHITE CRAPPIE	1979	4	6.0	211.00	1.6	4	1.1	45.01	13.1	8	2.2	256.01	1.8
	1981	5	4.5	350.00	1.0	3	2.8	89.00	15.8	8	3.7	439.00	1.2
	1982	1	3.7	90.00	0.9	0	0.0	0.00	0.0	1	2.7	90.00	0.9
	1983	1	1.4	77.00	0.5	0	0.0	0.00	0.0	1	0.7	77.00	0.5
	1984	1	1.7	49.00	0.3	0	0.0	0.00	0.0	1	1.0	49.00	0.3
	TOTAL	12	3.6	777.00	0.9	7	1.3	134.01	13.3	19	2.2	911.01	1.0
BLACK CRAPPIE	1977	1	1.2	54.00	0.3	7	0.6	27.79	3.0	8	0.7	81.79	0.4
	1979	1	1.5	107.00	0.8	1	0.3	45.00	13.1	2	0.5	152.00	1.1
	1981	3	2.7	238.00	0.7	1	0.9	8.59	1.5	4	1.8	246.59	0.7
	1989	1	0.8	18.00	0.2	0	0.0	0.00	0.0	1	0.5	18.00	0.2
	TOTAL	6	1.6	417.00	0.5	9	0.3	81.38	4.3	15	0.7	498.38	0.5
JOHNNY DARTER	1977	0	0.0	0.00	0.0	11	1.0	5.98	0.8	11	0.9	5.98	0.0
	1978	0	0.0	0.00	0.0	1	2.5	0.17	0.3	1	1.3	0.17	0.0
	1979	0	0.										

APPENDIX D-11 (CONT.) TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88, AND JULY/AUGUST 1989.

SPECIES		----ELECTROFISHING----			-----SEINING-----			-----TOTAL-----		
		NO.	\$NO.	WT(G)	WT	NO.	\$NO.	WT(G)	WT	\$WT
BANDIED DARTER	1977	0	0.0	0.00	0.0	1	0.1	0.20	0.0	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.1	0.20	0.0	0.0
LOG PERCH	1988	1	0.5	1.3 ²	0.0	1	0.9	2.78	0.4	6.10
	1989	2	1.6	17.05	0.2	0	0.0	0.00	0.0	17.05
	TOTAL	3	1.0	20.37	0.1	1	0.9	2.78	0.3	23.15
BLACKSIDE DARTER	1983	0	0.0	0.00	0.0	1	1.4	0.80	1.9	0.80
	1985	0	0.0	0.00	0.0	3	0.5	3.81	0.5	3.81
	1989	1	0.8	0.93	0.0	0	0.0	0.00	0.0	0.93
	TOTAL	1	0.2	0.93	0.0	4	0.6	4.61	0.8	5.54
SLENDERHEAD DARTER	1985	0	0.0	0.00	0.0	11	1.9	11.30	1.6	11.30
	1987	0	0.0	0.00	0.0	1	1.5	0.92	2.1	0.92
	1988	1	0.5	0.73	0.0	0	0.0	0.00	0.0	0.73
	TOTAL	1	0.2	0.73	0.0	12	1.6	12.22	0.8	12.95
WALLEYE	1977	4	4.9	171.00	0.9	0	0.0	0.00	0.0	0.9
	1979	1	1.5	369.00	2.7	0	0.0	0.00	0.0	2.6
	1984	1	1.7	590.00	3.5	0	0.0	0.00	0.0	3.4
	1985	3	1.4	115.00	0.7	0	0.0	0.00	0.0	0.7
	TOTAL	9	2.1	1241.00	1.9	0	0.0	0.00	0.0	1.8

APPENDIX D-12. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88, AND JULY/AUGUST 1989.

SPECIES		----ELECTROFISHING----			-----SEINING-----			-----TOTAL-----		
		NO.	\$NO.	WT(G)	WT	NO.	\$NO.	WT(G)	WT	\$WT
LONGNOSE GAR	1977	7	0.3	521.00	0.2	0	0.0	0.00	0.0	0.2
	1978	4	0.2	249.00	0.2	3	0.2	25.48	1.5	274.48
	1979	6	0.4	2059.53	1.2	1	0.0	11.67	0.3	2071.20
	1981	6	0.3	717.67	0.2	0	0.0	0.00	0.0	717.67
	1982	1	0.1	2.00	0.0	1	0.3	4.82	0.6	6.82
	1983	2	0.2	164.00	0.1	1	0.1	9.37	1.1	173.37
	1984	0	0.0	0.00	0.0	1	0.1	1.82	0.2	1.42
	1985	14	0.5	397.00	0.2	8	0.1	198.00	3.1	595.00
	1986	1	0.0	2.00	0.0	2	0.2	1.63	0.0	3.63
	1987	6	0.2	186.00	0.1	0	0.0	0.00	0.0	186.00
	1988	46	1.2	1454.50	0.7	2	0.1	27.16	0.4	1483.16
	1989	24	0.7	2298.77	0.9	4	0.3	8.27	0.2	2307.04
	TOTAL	119	0.4	8052.97	0.3	23	0.1	267.82	0.7	8340.79
BOWFIN	1978	2	0.1	116.00	0.1	0	0.0	0.00	0.0	0.1
	1981	3	0.1	320.00	0.1	0	0.0	0.00	0.0	0.1
	1982	2	0.3	1510.00	0.7	0	0.0	0.00	0.0	0.7
	1987	2	0.1	1465.00	0.9	0	0.0	0.00	0.0	0.9
	1989	1	0.0	42.00	0.0	1	0.1	56.54	1.5	98.54
	TOTAL	20	0.1	3453.00	0.3	1	0.0	56.54	0.4	3509.54
DIA. / SHAD	1977	438	18.1	5928.28	2.1	120	1.3	205.07	3.0	6133.35
	1978	592	25.4	4759.11	3.7	5	0.4	54.97	3.2	4814.08
	1979	17	1.2	2316.41	1.3	2	0.1	0.94	0.0	2317.35
	1981	164	8.0	10396.09	2.7	15	1.2	49.23	1.3	10445.32
	1982	65	9.2	5500.31	2.5	1	0.3	4.97	0.7	5505.28
	1983	42	4.1	7269.20	3.5	0	0.0	0.00	0.0	7269.20
	1984	42	2.9	6262.59	2.9	1	0.1	1.13	0.1	6263.72
	1985	54	2.1	5678.42	2.7	0	0.0	0.00	0.0	5678.42
	1986	129	5.0	14697.04	7.2	5	0.5	6.76	0.2	14705.80
	1987	203	8.2	23863.78	14.1	80	3.5	21.59	0.9	23887.35
	1988	892	22.3	26570.31	32.7	65	3.2	77.13	10.5	27341.84
	1989	157	4.3	13632.15	5.5	8	0.5	2.13	0.1	13634.48
	TOTAL	2795	10.5	126974.48	4.8	302	0.9	1122.12	2.7	128095.99
CENTRAL MUDMINNOW	1982	1	0.1	4.44	0.0	0	0.0	0.00	0.0	4.44
	TOTAL	1	0.1	4.44	0.0	0	0.0	0.00	0.0	4.44
GRASS PICKEREL	1977	12	0.5	240.00	0.1	6	0.1	119.32	1.7	359.32
	1978	34	1.5	750.35	0.6	5	0.4	25.20	1.5	775.55
	1979	10	0.7	326.00	0.2	0	0.0	0.00	0.0	326.00
	1981	32	1.6	528.00	0.1	10	0.8	78.64	2.2	606.64
	1982	0	0.0	0.00	0.0	1	0.3	2.00	0.3	2.00
	1983	3	0.3	141.00	0.1	2	0.2	10.62	1.3	151.62
	1984	10	0.7	281.91	0.1	2	0.1	25.03	2.7	306.94
	1985	6	0.2	494.00	0.2	0	0.0	0.00	0.0	494.00
	1986	16	0.6	167.50	0.1	11	1.1	132.92	3.0	300.42
	1987	6	0.2	164.55	0.1	3	0.1	31.09	1.2	195.64
	1988	1	0.0	15.00	0.0	2	0.1	28.34	0.4	43.34
	1989	12	0.3	192.40	0.1	7	0.5	42.75	1.1	235.15
	TOTAL	142	0.5	3300.71	0.1	49	0.2	496.11	1.2	3796.82
NORTHERN PIKE	1977	6	0.2	1704.00	0.6	0	0.0	0.00	0.0	0.6
	1978	5	0.2	678.00	0.5	1	0.1	25.00	1.5	703.00
	1979	11	0.8	2863.00	1.7	1	0.0	30.00	0.9	2893.00
	1981	13	0.6	6136.00	1.6	3	0.2	265.00	7.3	6407.00
	1982	9	1.3	6652.00	3.0	1	0.3	335.00	85.1	6987.00
	1983	5	0.5	2178.00	1.1	0	0.0	0.00	0.0	2178.00
	1984	12	0.6	2389.00	1.1	0	0.0	0.00	0.0	2389.00
	1985	5	0.2	1868.00	0.7	0	0.0	0.00	0.0	1868.00
	1986	8	0.3	2618.00	1.3	0	0.0	0.00	0.0	2618.00
	1987	9	0.4	7520.00	4.7	0	0.0	0.00	0.0	7520.00
	TOTAL	83	0.4	34502.00	1.6	6	0.0	655.00	2.1	35157.00
CENTRAL STONEWALLER	1977	1	0.0	2.79	0.0	0	0.0	0.00	0.0	2.79
	1979	0	0.0	0.00	0.0	2	0.1	1.20	0.0	1.20
	1982	0	0.0	0.00	0.0	1	0.3	0.96	0.1	0.96
	1983	0	0.0	0.00	0.0	1	0.1	0.51	0.1	0.51
	1985	4	0.2	6.35	0.0	4	0.1	6.34	0.1	12.69
	1986	1	0.0	1.02	0.0	1	0.1	0.82	0.0	1.84
	1989	0	0.0	0.00	0.0	1	0.1	0.82	0.0	0.82
	TOTAL	6	0.0	10.16	0.0	10	0.0	10.65	0.0	20.81

APPENDIX D-12 (CONT.) TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE
BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	SNOW	WT(G)	SWT	NO.	SNOW	WT(G)	SWT	NO.	SNOW	WT(G)	SWT
GOLDFISH	1981	1	0.0	165.00	0.0	0	0.0	0.00	0.0	1	0.0	165.00	0.0
	1987	1	0.0	52.00	0.0	0	0.0	0.00	0.0	1	0.0	52.00	0.0
	1989	1	0.0	74.00	0.0	0	0.0	0.00	0.0	1	0.0	74.00	0.0
	TOTAL	3	0.0	291.00	0.0	0	0.0	0.00	0.0	3	0.0	291.00	0.0
RUDD	1988	0	0.0	0.00	0.0	1	0.0	14.97	0.2	1	0.0	14.97	0.0
	1989	2	0.1	99.14	0.0	0	0.0	0.00	0.0	2	0.0	99.14	0.0
	TOTAL	2	0.0	99.14	0.0	1	0.0	14.97	0.1	3	0.0	114.11	0.0
CARP	1977	92	3.8	71377.67	24.8	4	0.0	60.43	0.9	96	0.8	71377.90	24.2
	1978	40	1.7	29569.00	22.6	2	0.0	165.80	11.0	42	1.1	29734.80	22.3
	1979	25	1.8	24420.00	14.1	0	0.0	0.00	0.0	25	0.6	24420.00	12.9
	1981	89	4.3	63990.82	16.5	3	0.2	367.35	10.1	92	2.8	64358.17	16.5
	1982	49	7.0	59589.00	27.0	0	0.0	0.00	0.0	49	4.6	59589.00	26.9
	1983	29	2.8	22068.60	10.7	0	0.0	0.00	0.0	29	1.3	22068.60	10.7
	1984	17	1.2	10082.00	4.7	0	0.0	0.00	0.0	17	0.6	10082.00	4.7
	1985	10	0.4	20438.00	9.5	0	0.0	0.00	0.0	10	0.1	20438.00	9.2
	1986	9	0.3	13610.00	5.7	1	0.1	0.71	0.0	10	0.3	13610.71	5.6
	1987	13	0.5	13185.00	7.9	0	0.0	0.00	0.0	13	0.2	13185.00	7.8
	1988	144	3.6	22252.76	10.5	2	0.1	60.95	0.8	146	2.4	22313.71	10.3
	1989	115	3.2	63407.74	29.5	0	0.0	0.00	0.0	115	2.3	63407.74	25.2
	TOTAL	632	2.4	413930	15.6	12	0.0	675.24	1.8	644	1.1	414605.63	15.3
SILVERJAW MINNOW	1977	0	0.0	0.00	0.0	1	0.0	0.38	0.0	1	0.0	0.38	0.0
	1978	4	0.2	3.21	0.0	21	1.5	9.84	0.6	25	0.7	13.05	0.0
	1979	0	0.0	0.00	0.0	41	1.3	22.26	0.6	41	0.9	22.26	0.0
	1982	1	0.1	1.44	0.0	0	0.0	0.00	0.0	1	0.1	1.44	0.0
	1983	0	0.0	0.00	0.0	1	0.1	0.83	0.1	1	0.0	0.83	0.0
	1984	1	0.1	1.63	0.0	0	0.0	0.00	0.0	1	0.0	1.63	0.0
	1985	0	0.0	0.00	0.0	8	0.1	1.83	0.1	8	0.1	1.83	0.0
	1986	1	0.0	0.57	0.0	0	0.0	0.00	0.0	1	0.0	0.57	0.0
	1987	0	0.0	0.00	0.0	4	0.2	0.74	0.0	4	0.1	0.74	0.0
	1989	0	0.0	0.00	0.0	3	0.2	0.53	0.0	3	0.1	0.53	0.0
	TOTAL	7	0.0	6.85	0.0	79	0.3	38.01	0.1	86	0.2	44.86	0.0
HORNHEADED CHUB	1977	1	0.0	15.26	0.0	18	1.2	6.92	0.1	19	0.2	24.20	0.0
	1978	0	0.0	0.00	0.0	4	0.3	1.23	0.1	4	0.1	1.23	0.0
	1979	1	0.1	5.17	0.0	19	0.6	10.50	0.3	20	0.5	15.67	0.0
	1983	0	0.0	0.00	0.0	2	0.2	0.44	0.1	2	0.1	0.44	0.0
	1984	0	0.0	0.00	0.0	8	0.5	1.79	0.2	8	0.3	1.79	0.0
	1985	13	0.5	104.77	0.0	69	0.9	57.10	0.9	82	0.8	161.87	0.1
	1986	1	0.0	6.61	0.0	2	0.2	7.91	0.2	3	0.1	14.52	0.0
	1987	2	0.1	26.67	0.0	7	0.3	4.39	0.2	9	0.2	31.06	0.0
	1988	7	0.2	12.02	0.0	11	0.5	20.72	0.3	18	0.3	32.74	0.0
	1989	7	0.2	107.01	0.0	2	0.1	27.50	0.7	9	0.2	134.51	0.1
	TOTAL	32	0.1	277.53	0.0	142	0.9	140.50	0.4	174	0.3	418.03	0.0
PALLID CHUB	1978	0	0.0	0.00	0.0	1	0.1	0.82	0.0	1	0.0	0.82	0.0
	1979	0	0.0	0.00	0.0	9	0.3	3.81	0.1	9	0.2	3.81	0.0
	1981	0	0.0	0.00	0.0	3	0.2	0.79	0.0	3	0.1	0.79	0.0
	1982	0	0.0	0.00	0.0	2	0.5	0.62	0.1	2	0.2	0.62	0.0
	1983	0	0.0	0.00	0.0	1	0.1	0.46	0.1	1	0.0	0.46	0.0
	1984	0	0.0	0.00	0.0	49	3.4	9.28	1.0	49	1.7	9.28	0.0
	1985	1	0.0	0.63	0.0	15	0.2	6.63	0.1	16	0.2	7.26	0.0
	1986	0	0.0	0.00	0.0	4	0.4	0.94	0.0	4	0.1	0.94	0.0
	TOTAL	1	0.0	0.63	0.0	74	0.9	22.95	0.1	85	0.3	23.56	0.0
GOLDEN SHINER	1977	2	0.1	45.00	0.0	2	0.0	0.87	0.0	4	0.0	45.87	0.0
	1978	5	0.2	47.73	0.0	1	0.1	1.46	0.1	6	0.2	49.19	0.0
	1979	6	0.4	75.02	0.0	8	0.4	5.77	0.2	14	0.3	80.79	0.0
	1981	6	0.3	81.50	0.0	1	0.1	0.27	0.0	7	0.2	81.77	0.0
	1982	2	0.3	16.11	0.0	4	1.1	4.09	0.6	6	0.6	20.20	0.0
	1983	1	0.1	7.48	0.0	0	0.0	0.00	0.0	1	0.0	7.48	0.0
	1984	3	0.2	28.00	0.0	1	0.1	0.54	0.1	4	0.1	28.54	0.0
	1985	4	0.2	51.39	0.0	1	0.0	5.65	0.1	5	0.1	57.04	0.0
	1986	1	0.0	2.48	0.0	0	0.0	0.00	0.0	1	0.0	2.48	0.0
	1987	4	0.2	32.84	0.0	0	0.0	0.00	0.0	4	0.1	32.84	0.0
	1988	2	0.0	70.00	0.0	0	0.0	0.00	0.0	2	0.0	70.00	0.0
	1989	8	0.2	111.09	0.0	1	0.1	2.93	0.1	9	0.2	114.02	0.0
	TOTAL	44	0.2	368.64	0.0	19	0.1	21.56	0.1	63	0.1	390.20	0.0
EMERALD SHINER	1977	10	0.4	43.91	0.0	5	0.1	2.61	0.0	15	0.1	46.52	0.0
	1979	1	0.1	16.00	0.0	0	0.0	0.00	0.0	1	0.0	16.00	0.0
	1983	3	0.3	16.74	0.0	0	0.0	0.00	0.0	3	0.1	16.74	0.0
	1984	3	0.2	8.69	0.0	0	0.0	0.00	0.0	3	0.1	8.69	0.0
	1985	0	0.0	0.00	0.0	29	0.4	2.89	0.0	29	0.3	2.89	0.0
	1986	1	0.1	7.42	0.0	2	0.2	0.37	0.0	3	0.1	7.79	0.0
	1987	0	0.0	0.00	0.0	16	0.7	3.76	0.1	16	0.3	3.76	0.0
	1989	0	0.0	0.00	0.0	4	0.7	1.94	0.1	10	0.2	1.94	0.0
	TOTAL	14	0.1	90.16	0.0	47	0.2	11.57	0.0	61	0.2	102.33	0.0
GHOST SHINER	1981	0	0.0	0.00	0.0	1	0.1	0.46	0.0	1	0.0	0.46	0.0
	1989	3	0.1	2.13	0.0	1	0.1	0.52	0.0	4	0.1	2.65	0.0
	TOTAL	3	0.1	2.13	0.0	2	0.1	0.98	0.0	5	0.1	3.11	0.0
STRIPED SHINER	1977	0	0.0	0.00	0.0	119	1.3	63.72	0.9	119	1.0	63.72	0.0
	1978	4	0.2	21.96	0.0	164	11.8	59.66	3.5	168	4.5	81.62	0.1
	1979	0	0.0	0.00	0.0	99	3.3	21.49	0.6	99	2.8	21.49	0.0
	1981	0	0.0	0.00	0.0	1	0.1	0.27	0.0	1	0.0	0.27	0.0
	1982	1	0.1	7.07	0.0	82	2.2	38.86	7.0	83	7.7	65.93	0.0
	1983	1	0.1	0.47	0.0	393	33.7	122.02	14.5	394	18.0	122.49	0.1
	1984	2	0.1	7.94	0.0	276	19.0	71.34	7.7	278	9.5	79.28	0.0
	1985	39	1.5	119.85	0.1	840	11.5	385.61	6.1	879	8.9	505.46	0.2
	1986	18	0.7	70.53	0.0	48	5.0	21.27	0.6	66	1.9	91.80	0.0
	1987	18	0.7	50.70	0.0	62	2.7	17.00	0.6	80	1.7	67.70	0.0
	1988	225	5.6	380.44	0.2	122	6.0	91.42	1.2	347	5.7	471.86	0.2
	1989	66	1.6	363.67	0.1	36	2.4	54.76	1.4	102	2.0	418.43	0.2
	TOTAL	374	1.4	1022.63	0.0	2242	7.0	967.42	2.3	2616	4.5	1990.05	0.1
BIGMOUTH SHINER	1977	0	0.0	0.00	0.0	2	0.0	1.01	0.0	2	0.0	1.01	0.0
	TOTAL	0	0.0	0.00	0.0	2	0.0	1.01	0.0	2	0.0	1.01	0.0
RED SHINER	1977	0	0.0	0.00	0.0	1	0.0	2.16	0.0	1	0.0	2.16	0.0
	1979	0	0.0	0.00	0.0	2	0.1	1.48	0.0	2	0.0	1.48	0.0
	1981	2	0.1	6.50	0.0	1	0.1	2.21	0.1	3	0.1	8.71	0.0
	1983	3	0.3	5.98	0.0	0	0.0	0.00	0.0	3	0.1	5.98	0.0
	1984	0	0.0	0.00	0.0	1	0.1	0.45	0.0	1	0.0	0.45	0.0
	1985	3	0.1	15.82	0.0	8	0.1	10.13	0.2	11	0.1	25.95	0.0
	1986	0	0.0	0.00	0.0	1	0.1	0.88	0.0	1	0.0	0.88	0.0
	1987	0	0.0	0.00	0.0	1	0.0	0.61	0.0	1	0.0	0.61	0.0
	1989	0	0.0	0.00	0.0	1	0.1	0.28	0.0	1	0.0	0.28	0.0
	TOTAL	8	0.0	28.30	0.0	16	0.1	16.20					

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE
BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES	---ELECTROFISHING---					---SEINING---					---TOTAL---				
	NO.	SNOW.	WT(G)	SWT		NO.	SNOW.	WT(G)	SWT		NO.	SNOW.	WT(G)	SWT	
ROSYFACE SHINER	1977	20	0.8	26.22	0.0	609	6.6	244.62	3.5		629	5.4	270.84	0.1	
	1978	7	0.3	8.58	0.0	96	6.9	44.16	2.6		103	2.8	52.74	0.0	
	1979	1	0.1	2.05	0.0	139	4.6	50.09	1.4		140	3.2	52.14	0.0	
	1981	4	0.2	12.99	0.0	5	0.4	5.96	0.2		9	0.3	18.95	0.0	
	1982	3	0.4	3.28	0.0	67	16.2	27.32	3.7		70	6.5	30.70	0.0	
	1983	11	1.1	5.59	0.0	4	0.3	0.47	0.1		15	0.7	6.06	0.0	
	1984	0	0.0	0.00	0.0	157	10.8	24.86	2.7		157	5.4	24.86	0.0	
	1985	11	0.4	8.13	0.0	317	4.4	79.46	1.2		328	3.3	85.61	0.0	
	1986	19	0.7	27.64	0.0	8	0.8	1.34	0.0		27	0.8	28.78	0.0	
	1987	20	0.8	35.46	0.0	18	0.8	6.23	0.2		38	0.8	19.69	0.0	
	1988	160	4.0	140.95	0.1	250	12.2	194.62	2.7		410	6.6	335.77	0.2	
	1989	28	0.8	36.73	0.0	171	11.5	68.69	1.8		199	3.9	105.42	0.0	
	TOTAL	284	1.1	305.72	0.0	1841	5.6	745.84	1.6		2125	3.6	1051.56	0.0	
SPOTFIN SHINER	1977	130	5.4	552.16	0.2	1929	20.9	1430.48	20.6		2059	17.7	1982.66	0.7	
	1978	50	2.1	184.55	0.1	87	6.3	154.65	9.1		137	3.7	339.40	0.2	
	1979	32	2.3	130.37	0.1	1010	33.2	824.86	23.9		1042	23.5	955.25	0.3	
	1981	51	2.5	164.91	0.0	283	23.2	261.00	7.2		334	10.2	425.91	0.1	
	1982	21	3.0	89.41	0.0	20	5.4	57.94	7.8		41	3.8	147.35	0.1	
	1983	85	8.3	279.37	0.1	170	14.6	183.91	21.8		255	11.6	463.08	0.2	
	1984	56	3.8	134.70	0.1	361	24.0	345.98	37.3		417	14.3	480.68	0.2	
	1985	147	5.6	540.46	0.3	1195	16.4	701.92	11.0		1342	13.5	1242.40	0.6	
	1986	79	3.0	145.99	0.1	87	9.0	88.03	2.3		166	4.7	234.02	0.1	
	1987	369	14.9	444.48	0.3	669	29.7	355.20	13.2		1038	21.9	803.68	0.5	
	1988	79	2.0	224.62	0.1	87	4.2	55.54	0.6		166	2.7	280.36	0.1	
	1989	28	0.8	74.36	0.0	197	13.2	64.29	1.7		225	4.4	138.67	0.1	
	TOTAL	1127	4.2	2969.44	0.1	6095	19.1	4524.02	10.7		7222	12.3	7493.46	0.3	
SAND SHINER	1977	5	0.2	5.09	0.0	615	6.7	234.11	3.4		620	5.3	239.20	0.1	
	1978	3	0.1	3.72	0.0	270	19.5	87.61	5.2		273	7.3	91.33	0.1	
	1979	0	0.0	0.00	0.0	481	16.1	282.14	8.2		481	11.1	282.14	0.2	
	1981	3	0.1	8.15	0.0	165	13.5	99.25	2.7		168	5.1	101.40	0.0	
	1982	2	0.3	6.29	0.0	49	5.1	7.02	0.9		51	2.0	13.31	0.0	
	1983	28	2.7	34.07	0.0	136	11.7	81.46	9.7		164	7.5	117.53	0.1	
	1984	6	0.4	5.64	0.0	89	6.1	37.90	4.1		95	3.2	43.58	0.0	
	1985	26	1.0	36.84	0.0	792	10.9	300.47	4.7		818	8.3	337.25	0.2	
	1986	57	2.2	57.84	0.0	56	5.8	26.34	0.7		113	3.2	84.18	0.0	
	1987	54	2.2	39.78	0.0	212	9.4	119.03	4.4		266	5.6	158.81	0.1	
	1988	34	0.8	46.65	0.0	222	10.8	51.16	0.7		256	4.2	97.81	0.0	
	1989	11	0.3	12.64	0.0	9	0.6	7.21	0.2		20	0.4	19.85	0.0	
	TOTAL	229	0.9	252.79	0.0	3075	9.6	1333.64	3.2		3305	5.6	1586.39	0.1	
REDFIN SHINER	1977	0	0.0	0.00	0.0	224	2.4	42.26	0.6		222	1.9	42.26	0.0	
	1978	1	0.0	1.86	0.0	9	0.2	8.58	0.3		10	0.3	10.44	0.0	
	1979	0	0.0	0.00	0.0	5	0.2	5.99	0.2		7	0.2	5.99	0.0	
	1981	0	0.0	0.00	0.0	51	4.4	31.12	0.9		51	1.6	31.12	0.0	
	1982	1	0.1	1.93	0.0	1	1.9	6.29	0.8		8	0.7	8.22	0.0	
	1984	1	0.1	1.11	0.0	5	0.3	4.34	0.5		6	0.2	5.45	0.0	
	1985	1	0.0	0.05	0.0	7	0.3	17.65	0.3		18	0.2	16.51	0.0	
	1986	6	0.2	5.52	0.0	2	0.4	17.33	0.4		29	0.6	22.95	0.0	
	1987	10	0.4	5.53	0.0	1	0.6	8.70	0.5		11	0.3	9.57	0.0	
	1988	24	0.7	25.37	0.0	12	0.6	74.10	1.0		36	1.6	99.81	0.0	
	1989	1	0.3	17.53	0.0	15	0.0	15.40	0.4		24	0.5	26.93	0.0	
	TOTAL	59	0.2	57.95	0.0	464	1.4	235.96	0.6		503	0.9	293.91	0.0	
MIMIC SHINER	1977	0	0.0	0.00	0.0	29	0.3	12.22	0.2		29	0.2	12.22	0.0	
	1981	0	0.0	0.00	0.0	32	2.6	14.32	0.4		32	1.0	14.32	0.0	
	1982	0	0.0	0.00	0.0	4	1.1	4.35	0.6		4	0.4	4.35	0.0	
	1984	3	0.2	3.24	0.0	0	0.0	0.00	0.0		3	0.1	3.24	0.0	
	1985	1	0.2	0.80	0.0	8	0.1	8.77	0.1		9	0.1	9.57	0.0	
	1986	6	0.4	5.69	0.0	10	1.0	7.11	0.2		16	0.4	12.80	0.0	
	1987	63	2.5	44.80	0.0	128	5.7	83.91	3.1		191	4.0	133.81	0.1	
	1988	34	0.8	44.12	0.0	1	0.0	0.59	0.0		34	0.6	44.71	0.0	
	1989	15	0.3	14.60	0.0	2	0.1	1.52	0.0		16	0.3	16.12	0.0	
	TOTAL	118	0.5	118.35	0.0	214	0.8	132.79	0.4		332	0.7	251.14	0.0	
SUCKERMOUTH MINNOW	1977	2	0.1	1.17	0.0	19	1.4	7.75	0.5		21	0.6	8.92	0.0	
	1979	1	0.1	1.85	0.0	77	2.5	33.95	1.0		78	1.6	34.60	0.0	
	1981	0	0.0	0.00	0.0	17	1.4	3.79	0.1		17	0.5	3.79	0.0	
	1982	1	0.1	1.85	0.0	11	3.0	5.76	0.8		12	1.1	7.61	0.0	
	1983	6	0.6	4.94	0.0	36	3.1	16.77	2.0		42	1.9	21.71	0.0	
	1984	0	0.0	0.00	0.0	15	1.0	4.53	0.5		15	0.5	4.53	0.0	
	1985	7	0.3	17.78	0.0	40	0.5	35.81	0.6		47	0.5	53.69	0.0	
	1986	6	0.2	4.52	0.0	6	0.6	2.00	0.1		12	0.3	6.52	0.0	
	1987	4	0.2	3.12	0.0	43	0.6	9.88	0.4		47	0.4	13.00	0.0	
	1988	5	0.1	5.11	0.0	2	0.1	2.24	0.0		7	0.1	7.35	0.0	
	1989	1	0.0	0.94	0.0	1	0.1	0.62	0.0		2	0.0	1.56	0.0	
	TOTAL	33	0.1	40.88	0.0	237	1.0	123.20	0.3		270	0.6	163.28	0.0	
BLUETHROAT MINNOW	1977	50	2.1	118.56	0.0	1196	13.0	647.37	9.3		1249	10.7	765.93	0.3	
	1978	1	0.1	261.39	0.2	447	32.2	559.78	33.0		448	15.1	821.17	0.4	
	1979	7	2.7	133.25	0.1	777	25.5	740.86	21.4		814	18.3	874.11	0.5	
	1981	16	0.8	40.26	0.0	236	19.3	181.40	5.0		252	7.7	221.66	0.1	
	1982	8	1.1	21.25	0.0	39	10.6	34.55	4.7		47	4.4	55.80	0.0	
	1983	3	2.9	45.10	0.0	185	15.9	116.36	14.0		215	9.8	163.46	0.1	
	1984	69	2.7	115.32	0.1	148	10.2	83.61	9.0		217	7.4	198.93	0.1	
	1985	222	8.4	524.24	0.2	2134	29.3	1522.10	23.9		2356	23.8	2046.34	0.9	
	1986	320	12.3	502.13	0.2	422	43.6	407.34	10.5		742	20.8	909.47	0.4	
	1987	236	9.5	327.50	0.2	388	17.2	296.30	11.0		624	11.2	623.80	0.3	
	1988	166	4.8	410.07	0.2	209	10.2	149.13	2.6		375	6.5	605.10	0.3	
	1989	101	2.8	201.44	0.1	435	29.2	199.86	5.1		536	10.5	401.32	0.2	
	TOTAL	1386	5.2	2701.43	0.1	6619	20.7	4985.66	11.6		8007	13.7	7687.09	0.3	
FATHEAD MINNOW	1977	0	0.0	0.00	0.0	1	0.0	0.50	0.0		1	0.0	0.50	0.0	
	1978	0	0.0	0.00	0.0	1	0.1	1.62	0.1		1	0.0	1.62	0.0	

APPENDIX D-12 (CONT.) TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE
BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES		TROT FISHING				SEINING				TOTAL			
		WT (G)	SWT	NO.	SWT	WT (G)	SWT	NO.	SWT	WT (G)	SWT	NO.	SWT
CREEK CHUB		2.97	0.0	8	0.6	5.47	0.3	10	0.3	8.44	0.9		
	1977	0.00	0.0	18	0.6	11.01	0.3	18	0.4	11.01	0.9		
	1978	0.00	0.0	1	0.3	0.34	0.1	1	0.1	0.34	0.0		
	1979	0.00	0.0	13	1.1	5.11	0.6	13	0.6	5.11	0.0		
	TOTAL	2.78	0.0	70	1.0	63.80	1.0	72	0.7	46.58	0.0		
UNIDENTIFIED MINNOWS	1977	0.00	0.0	2462	26.7	153.68	2.2	2462	21.2	153.68	0.1		
	1978	0.00	0.0	2	0.6	0.49	0.0	2	0.2	0.49	0.0		
	1979	0.00	0.0	2	0.1	0.03	0.0	2	0.0	0.03	0.0		
	1981	0.00	0.0	24	2.1	1.30	0.2	24	1.1	1.30	0.0		
	TOTAL	0.00	0.0	2510	13.1	156.43	1.1	2510	9.7	156.43	0.0		
RIVER CARPSUCKER	1977	0.00	0.0	1	0.0	2.15	0.0	1	0.0	2.15	0.0		
	1978	0.00	0.0	1	0.0	0.00	0.0	1	0.0	0.00	0.0		
	1979	0.00	0.0	1	0.0	2.15	0.0	1	0.0	2.15	0.0		
	1981	0.00	0.0	1	0.0	0.00	0.0	1	0.0	0.00	0.0		
	TOTAL	0.00	0.0	3	0.0	4.30	0.0	3	0.0	4.30	0.0		
QUILLBACK	1977	18.11	3.3	4	0.0	14.55	0.2	46	0.4	136.18	8.8	4.6	
	1978	40.6	6.27	15.6	0.0	0.00	0.0	52	1.4	20226.27	15.4		
	1979	1.40	4.1	9.3	0.0	0.00	0.0	47	1.1	16040.41	9.1		
	1981	16877.07	7.4	0.0	0.0	0.00	0.0	45	1.4	16877.00	4.3		
	TOTAL	20665.00	14.4	0.0	0.0	0.00	0.0	108	2.9	20665.00	9.3		
WHITE SUCKER	1977	3904.00	1.4	1	0.0	55.00	0.8	16	0.1	3959.00	1.3		
	1978	372.00	0.3	0	0.0	0.00	0.0	2	0.1	372.00	0.3		
	1979	3609.00	2.1	1	0.0	0.40	0.0	12	0.3	3609.40	2.0		
	1981	1740.00	0.4	0	0.0	0.00	0.0	5	0.2	1740.00	0.4		
	TOTAL	3119.59	1.4	0	0.0	0.00	0.0	33	0.3	3119.59	1.4		
LAKE CHUBSUCKER	1977	6693.00	3.3	0	0.0	0.00	0.0	16	0.8	6693.00	3.2		
	1978	885.00	0.4	0	0.0	0.00	0.0	2	0.1	885.00	0.4		
	1979	2246.62	1.0	2	0.0	5.15	0.1	11	0.1	2251.77	1.0		
	1981	430.00	0.2	0	0.0	0.00	0.0	1	0.0	430.00	0.2		
	TOTAL	320.00	0.2	0	0.0	0.00	0.0	1	0.0	320.00	0.2		
NORTHERN HOOSUCKER	1977	1346.00	0.5	0	0.0	0.00	0.0	3	0.0	1346.00	0.5		
	1978	935.56	0.7	0	0.0	0.00	0.0	3	0.1	935.56	0.7		
	1979	3050.00	1.8	3	0.1	4.25	0.1	11	0.2	3054.25	1.7		
	1981	7615.00	2.0	0	0.0	0.00	0.0	18	0.6	7615.00	1.9		
	TOTAL	6793.94	3.1	0	0.0	0.00	0.0	34	0.9	6793.94	3.1		
SMALLMOUTH BUFFALO	1977	570.00	0.2	0	0.0	0.00	0.0	1	0.0	570.00	0.2		
	1978	345.00	0.1	0	0.0	0.00	0.0	1	0.0	345.00	0.1		
	1979	565.00	0.3	0	0.0	0.00	0.0	1	0.0	565.00	0.3		
	1981	323.12	0.2	0	0.0	3.24	0.1	1	0.0	323.12	0.1		
	TOTAL	1638.12	0.7	0	0.0	3.24	0.1	3	0.1	1638.12	0.7		
BIGMOUTH BUFFALO	1977	426.00	0.3	0	0.0	0.00	0.0	2	0.1	426.00	0.3		
	1978	2620.00	1.5	0	0.0	0.00	0.0	2	0.0	2620.00	1.5		
	1979	400.00	0.1	0	0.0	0.00	0.0	1	0.0	400.00	0.1		
	1981	1070.00	0.5	0	0.0	0.00	0.0	2	0.2	1070.00	0.5		
	TOTAL	1269.00	0.8	0	0.0	0.00	0.0	5	0.3	1269.00	0.8		
SPOTTED SUCKER	1977	3.87	0.0	0	0.0	0.00	0.0	1	0.0	3.87	0.0		
	1978	42.00	0.0	0	0.0	0.00	0.0	1	0.0	42.00	0.0		
	1979	510.00	0.1	0	0.0	0.00	0.0	1	0.0	510.00	0.1		
	1981	2.24	0.0	1	0.0	0.62	0.0	4	0.0	2.86	0.0		
	TOTAL	39.44	0.0	0	0.0	0.00	0.0	7	0.0	39.44	0.0		
SILVER REDHORSE	1977	1306.00	0.5	0	0.0	0.00	0.0	16	0.3	1306.00	0.5		
	1978	1903.55	0.1	1	0.0	0.62	0.0	25	0.1	1904.17	0.1		
	1979	8060.38	2.8	3	0.0	16.70	0.2	22	0.2	8077.08	2.7		
	1981	11947.04	9.2	3	0.1	1.69	0.1	27	0.7	11948.73	9.1		
	TOTAL	27983.00	7.2	1	0.1	18.39	0.3	55	1.2	27983.00	7.2		
RIVER REDHORSE	1977	3904.00	1.4	1	0.0	55.00	0.8	16	0.1	3959.00	1.3		
	1978	372.00	0.3	0	0.0	0.00	0.0	2	0.1	372.00	0.3		
	1979	3609.00	2.1	1	0.0	0.40	0.0	12	0.2	3609.40	2.0		
	1981	1740.00	0.4	0	0.0	0.00	0.0	5	0.2	1740.00	0.4		
	TOTAL	3119.59	1.4	0	0.0	0.00	0.0	33	0.3	3119.59	1.4		

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE
BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, EACH 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES	ELECTROFISHING				SEIKING				TOTAL				
	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	
BLACK REDHORSE	1978	10	0.7	862.00	0.5	0	0.0	0.00	0.0	10	0.2	862.00	0.5
	1981	6	0.3	1340.00	0.3	0	0.0	0.00	0.0	6	0.2	1340.00	0.3
	1982	3	0.4	755.00	0.3	0	0.0	0.00	0.0	3	0.3	755.00	0.3
	1983	4	0.4	1308.00	0.6	0	0.0	0.00	0.0	4	0.2	1308.00	0.6
	1985	6	0.2	646.21	0.3	0	0.0	0.00	0.0	6	0.1	646.21	0.3
	1986	2	0.1	238.02	0.1	0	0.0	0.00	0.0	2	0.1	238.02	0.1
	1988	5	0.1	414.38	0.7	0	0.0	0.00	0.0	5	0.1	414.38	0.7
	1989	2	0.1	307.00	0.1	0	0.0	0.00	0.0	2	0.0	307.00	0.1
	TOTAL	38	0.2	6672.61	0.4	0	0.0	0.00	0.0	38	0.1	6672.61	0.4
GOLDEN REDHORSE	1977	221	9.1	55900.61	19.4	2	0.0	87.50	1.3	223	1.9	55988.11	19.0
	1978	83	3.6	12766.32	9.9	1	0.1	1.34	0.1	84	2.3	12767.66	9.7
	1979	173	12.5	25711.68	14.9	2	0.1	43.24	1.3	175	4.0	25754.92	14.6
	1981	317	15.3	34659.70	15.1	2	0.2	109.89	2.9	319	9.8	34769.59	15.0
	1982	83	11.8	26005.00	11.8	0	0.0	0.00	0.0	83	7.7	26005.00	11.7
	1983	67	6.5	25387.00	12.3	0	0.0	0.00	0.0	67	3.1	25387.00	12.3
	1984	205	13.9	40427.25	16.8	0	0.0	0.00	0.0	205	7.0	40427.25	16.8
	1985	252	9.6	36241.04	16.9	388	5.3	491.56	7.7	640	4.5	36732.60	16.7
	1986	323	12.4	54488.32	26.9	10	1.0	498.16	12.9	333	9.3	54986.48	26.6
	1987	181	7.3	28136.06	16.8	14	0.6	14.58	0.5	195	4.1	28150.64	16.6
	1988	160	4.2	54978.36	26.2	3	0.1	11.25	0.2	163	2.8	54989.61	25.3
	1989	262	7.2	39528.74	16.7	0	0.0	0.00	0.0	262	5.1	39528.74	15.7
	TOTAL	2338	8.7	456250	17.2	422	1.3	1293.58	3.0	2760	4.7	459503.66	17.0
SHORTHEAD REDHORSE	1977	157	6.5	31169.69	10.8	0	0.0	0.00	0.0	157	1.3	31169.69	10.6
	1978	48	3.1	2676.97	2.1	0	0.0	0.00	0.0	49	1.3	2676.97	2.0
	1979	96	3.3	10543.90	4.1	0	0.0	0.00	0.0	96	1.0	10543.90	4.0
	1981	223	10.9	87046.00	22.5	0	0.0	0.00	0.0	223	6.8	87046.00	22.3
	1982	72	3.1	10325.00	4.7	0	0.0	0.00	0.0	72	1.1	10325.00	4.7
	1983	15	1.5	4627.00	2.2	0	0.0	0.00	0.0	15	0.7	4627.00	2.2
	1984	16	1.1	1332.00	0.6	0	0.0	0.00	0.0	16	0.5	1332.00	0.6
	1985	71	2.7	6187.91	2.9	29	0.4	46.42	0.8	100	1.0	6236.33	2.8
	1986	74	2.8	7197.82	3.6	0	0.0	0.00	0.0	74	2.1	7197.82	3.5
	1987	7	0.3	2848.19	1.7	0	0.0	0.00	0.0	7	0.1	2848.19	1.7
	1988	102	2.5	8094.66	3.9	0	0.0	0.00	0.0	102	1.7	8094.66	3.7
	1989	35	1.0	8506.21	0.7	0	0.0	0.00	0.0	35	0.7	8506.21	2.6
	TOTAL	817	3.1	178950	5.7	29	0.1	46.42	0.1	846	1.4	178603.69	8.6
UNIDENTIFIED REDHORSE	1977	52	2.2	166.67	0.1	36	0.4	70.99	1.0	88	0.8	237.66	0.1
	1978	32	1.4	31.25	0.0	42	3.0	27.47	1.6	74	2.0	58.72	0.0
	1979	2	0.1	1.94	0.0	78	2.6	54.93	1.6	80	1.8	56.87	0.0
	1981	0	0.0	0.00	0.0	24	2.3	6.76	0.2	24	0.9	6.76	0.0
	1982	0	0.0	0.00	0.0	5	0.5	1.90	0.3	5	0.2	1.90	0.0
	1983	7	0.7	6.03	0.0	2	0.0	15.53	1.8	9	1.4	21.56	0.0
	1984	0	0.0	0.00	0.0	1	0.1	0.56	0.1	1	0.0	0.56	0.0
	TOTAL	93	0.8	206.09	0.0	210	1.2	80.16	1.0	303	1.0	386.25	0.0
BLACK BULLHEAD	1981	2	0.1	261.00	0.1	0	0.0	0.00	0.0	2	0.1	261.00	0.1
	1985	1	0.0	53.00	0.0	0	0.0	0.00	0.0	1	0.0	53.00	0.0
	1986	1	0.0	97.00	0.0	0	0.0	0.00	0.0	1	0.0	97.00	0.0
	1989	16	0.4	1202.00	0.5	0	0.0	0.00	0.0	16	0.3	1202.00	0.5
	TOTAL	20	0.2	1613.00	0.6	0	0.0	0.00	0.0	20	0.1	1613.00	0.6
YELLOW BULLHEAD	1979	1	0.1	170.00	0.1	0	0.0	0.00	0.0	1	0.0	170.00	0.1
	1982	1	0.1	60.00	0.0	0	0.0	0.00	0.0	1	0.1	60.00	0.0
	1984	1	0.1	200.00	0.1	0	0.0	0.00	0.0	1	0.0	200.00	0.1
	1985	2	0.1	242.00	0.1	0	0.0	0.00	0.0	2	0.0	242.00	0.1
	1986	1	0.0	30.00	0.0	0	0.0	0.00	0.0	1	0.0	30.00	0.0
	1987	1	0.0	57.00	0.0	0	0.0	0.00	0.0	1	0.0	57.00	0.0
	1988	0	0.0	0.00	0.0	1	0.0	8.72	0.1	1	0.0	8.72	0.0
	1989	11	0.3	643.00	0.3	0	0.0	0.00	0.0	11	0.2	643.00	0.3
	TOTAL	18	0.1	1402.00	0.1	1	0.0	8.72	0.0	19	0.1	1410.72	0.1
CHANNEL CATFISH	1977	21	0.9	11958.16	4.2	0	0.0	0.00	0.0	21	0.2	11958.16	4.1
	1978	5	0.2	3560.00	2.7	0	0.0	0.00	0.0	5	0.1	3560.00	2.7
	1979	10	0.7	9246.00	5.4	0	0.0	0.00	0.0	10	0.2	9246.00	5.2
	1981	6	0.3	9710.00	2.3	1	0.1	0.22	0.0	7	0.2	9710.22	2.3
	1982	1	0.1	450.00	0.2	0	0.0	0.00	0.0	1	0.1	450.00	0.2
	1983	0	0.0	0.00	0.0	1	0.1	1.56	0.2	1	0.0	1.56	0.0
	1984	3	0.2	3697.00	1.7	0	0.0	0.00	0.0	3	0.1	3697.00	1.7
	1985	1	0.0	2110.00	1.0	0	0.0	0.00	0.0	1	0.0	2110.00	1.0
	1986	2	0.1	4462.00	2.2	2	0.2	1.55	0.0	4	0.1	4463.55	2.2
	1987	3	0.1	5178.00	3.1	3	0.1	3.43	0.1	6	0.1	5181.43	3.0
	1988	1	0.0	1180.40	0.6	0	0.0	0.00	0.0	1	0.0	1180.40	0.6
	1989	1	0.0	1420.00	0.6	0	0.0	0.00	0.0	1	0.0	1420.00	0.6
	TOTAL	54	0.2	52971.56	2.0	7	0.0	6.78	0.0	61	0.1	52978.34	2.0
STONEGAT	1977	6	0.2	127.00	0.0	0	0.0	0.00	0.0	6	0.1	127.00	0.0
	1978	4	0.2	121.00	0.1	0	0.0	0.00	0.0	4	0.1	121.00	0.1
	1979	7	0.5	181.73	0.1	0	0.0	0.00	0.0	7	0.2	181.73	0.1
	1981	2	0.1	52.00	0.0	0	0.0	0.00	0.0	2	0.1	52.00	0.0
	1982	1	0.1	20.00	0.0	0	0.0	0.00	0.0	1	0.1	20.00	0.0
	1983	2	0.2	78.63	0.0	0	0.0	0.00	0.0	2	0.1	78.63	0.0
	1984	9	0.6	166.98	0.1	1	0.1	28.48	0.1	10	0.3	195.46	0.1
	1985	7	0.3	92.26	0.0	0	0.0	0.00	0.0	7	0.1	92.26	0.0
	1986	1	0.0	22.00	0.0	0	0.0	0.00	0.0	1	0.0	22.00	0.0
	1987	3	0.1	52.36	0.0	0	0.0	0.00	0.0	3	0.1	52.36	0.0
	1988	2	0.0	44.00	0.0	0	0.0	0.00	0.0	2	0.0	44.00	0.0
	1989	1	0.0	51.00	0.0	0	0.0	0.00	0.0	1	0.0	51.00	0.0
	TOTAL	45	0.2	1006.96	0.0	1	0.0	28.48	0.1	46	0.1	1037.44	0.0
TADPOLE NADOM	1987	0	0.0	0.00	0.0	2	0.1	0.74	0.0	2	0.0	0.74	0.0
	TOTAL	0	0.0	0.00	0.0	2	0.1	0.74	0.0	2	0.0	0.74	0.0
PIRATE PERCH	1978	1	0.0	2.28	0.0	0	0.0	0.00	0.0	1	0.0	2.28	0.0
	1987	1	0.0	2.25	0.0	0	0.0	0.00	0.0	1	0.0	2.25	0.0
	1989	1	0.0	12.25	0.0	0	0.0	0.00	0.0	1	0.0	12.25	0.0
	TOTAL	3	0.0	16.78	0.0	0	0.0	0.00	0.0	3	0.0	16.78	0.0
BLACKSTRIPED TOPMINNOW	1977	0	0.0	0.00	0.0	28	0.3	12.15	0.2	28	0.2	12.15	0.0
	1978	0	0.0	0.00	0.0	8	0.6	2.99	0.2	8	0.2	2.99	0.0
	1979	3	0.0	0.00	0.0	5	0.2	2.86	0.1	8	0.1	2.86	0.0
	1981	1	0.0	0.00	0.0	3	0.2	2.57	0.1	4	0.1	2.57	0.0
	1982	0	0.0	0.00	0.0	1	0.1	1.36	0.2	1	0.1	1.36	0.0
	1983	1	0.1	1.31	0.0	13	1.1	13.89	1.6	14	0.8	15.20	0.0
	1984	0	0.0	0.00	0.0	4	0.3	3.00	0.2	4	0.1	3.00	0.0
	1985	0	0.0	0.00	0.0	37	0.5	19.64	0.3	37	0.4	19.64	0.0
	1986	2	0.1	4.53	0.0	11	1.1	4.14	0.1	13	0.4	8.67	0.0
	1987	3	0.1	2.87									

APPENDIX D-12 (CONT.), TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88, AND JULY/AUGUST 1989.

SPECIES	---ELECTROFISHING---				---SEINING---				---TOTAL---				
	NO.	SNOW.	WT(G)	SWT	NO.	SNOW.	WT(G)	SWT	NO.	SNOW.	WT(G)	SWT	
BROOK SILVERSIDE	1977	11	0.5	11.13	0.0	196	2.1	92.74	1.3	207	1.8	103.87	0.0
	1978	1	0.0	2.03	0.0	1	0.1	0.09	0.0	2	0.1	2.12	0.0
	1979	1	0.1	2.28	0.0	1	0.0	0.09	0.0	2	0.0	2.37	0.0
	1984	0	0.0	0.00	0.0	42	2.9	7.64	0.8	42	1.4	7.64	0.0
	1985	3	0.1	1.04	0.0	350	4.8	63.66	1.0	353	3.6	64.70	0.0
	1986	16	0.6	29.52	0.0	9	0.9	8.59	0.2	25	0.7	38.11	0.0
	1987	7	0.3	10.28	0.0	53	2.3	24.83	0.9	60	1.3	35.19	0.0
	1988	52	1.3	57.33	0.0	60	2.9	48.18	0.7	112	1.8	105.51	0.0
	1989	52	1.4	65.23	0.0	205	13.8	60.83	1.6	257	5.0	126.16	0.1
	TOTAL	143	0.6	178.68	0.0	917	3.1	306.55	0.8	1060	2.0	485.37	0.0
YELLOW BASS	1978	1	0.0	16.00	0.0	0	0.0	0.00	0.0	1	0.0	16.00	0.0
	1987	2	0.1	12.19	0.0	0	0.0	0.00	0.0	2	0.0	12.19	0.0
	1989	1	0.0	1.85	0.0	0	0.0	0.00	0.0	1	0.0	1.85	0.0
	TOTAL	4	0.0	30.00	0.0	0	0.0	0.00	0.0	4	0.0	30.00	0.0
ROCK BASS	1977	196	8.1	14831.46	5.2	77	0.8	1026.31	14.8	273	2.3	15857.77	5.4
	1978	159	6.8	9652.94	7.4	3	0.2	50.41	3.0	162	4.4	9703.35	7.4
	1979	205	14.7	16202.22	9.4	7	0.2	478.45	13.8	212	4.8	16680.67	9.5
	1981	181	8.8	21112.00	5.4	18	1.3	362.69	9.9	199	6.1	21474.69	5.5
	1982	43	6.1	3446.00	1.6	0	0.0	0.00	0.0	43	4.0	3446.00	1.6
	1983	56	5.5	5612.03	2.7	0	0.0	0.00	0.0	56	2.6	5612.03	2.7
	1984	66	4.5	4567.42	2.1	1	0.1	0.05	0.0	67	2.3	4567.47	2.1
	1985	364	13.8	17950.45	8.4	16	0.2	151.04	2.4	380	3.8	18101.49	8.2
	1986	243	9.3	19730.25	9.7	26	2.7	749.16	19.4	269	7.5	20479.41	9.9
	1987	220	8.9	15731.14	9.4	4	0.2	174.06	6.5	224	4.7	15905.20	9.4
	1988	168	4.2	16971.31	8.1	130	6.3	1156.12	15.8	298	4.9	18127.43	8.3
	1989	264	7.3	17744.71	7.2	15	1.0	456.61	12.1	279	5.5	18201.52	7.2
	TOTAL	2165	8.1	163552	6.2	297	0.9	4603.10	10.9	2462	4.2	168155.03	6.2
GREEN SUNFISH	1977	105	4.3	2144.01	0.7	20	0.2	100.90	1.5	125	1.1	2244.91	0.8
	1978	200	8.6	4040.26	3.1	11	0.8	115.08	6.8	211	5.7	4155.34	3.2
	1979	130	9.3	2889.00	1.7	4	0.2	63.35	1.8	134	3.1	2952.55	1.7
	1981	171	8.6	3951.15	1.0	4	0.3	80.64	2.2	185	5.5	4031.81	1.0
	1982	73	10.4	1347.90	0.6	2	0.5	29.60	4.0	75	7.0	1377.50	0.6
	1983	87	8.5	1586.41	0.8	1	0.1	0.02	0.0	88	4.0	1586.43	0.8
	1984	228	15.5	5315.37	2.5	2	0.1	111.00	12.0	230	7.9	5426.37	2.5
	1985	185	7.0	4002.78	2.6	6	0.1	179.20	2.8	191	1.9	4181.98	2.8
	1986	177	6.8	5357.94	2.6	22	2.3	387.90	10.0	199	5.6	5745.84	2.6
	1987	137	5.5	2883.75	1.7	22	1.0	282.80	10.5	159	3.4	3166.55	1.9
	1988	60	1.5	1275.19	0.6	25	1.2	362.11	4.9	85	1.4	1637.30	0.8
	1989	76	6.2	3165.83	1.3	52	3.5	337.26	8.9	128	5.4	3503.09	1.4
	TOTAL	1785	6.7	39959.59	1.5	173	0.5	2050.08	4.8	1958	3.3	42009.67	1.6
PUMPKINSEED	1977	1	0.0	6.89	0.0	0	0.0	0.00	0.0	1	0.0	6.89	0.0
	1981	1	0.0	45.00	0.0	1	0.1	8.87	0.2	2	0.1	53.87	0.0
	1985	2	0.1	56.91	0.0	0	0.0	0.00	0.0	2	0.0	56.91	0.0
	1989	4	0.2	153.57	0.1	0	0.0	0.00	0.0	4	0.1	153.57	0.1
	TOTAL	7	0.1	262.17	0.0	1	0.0	8.87	0.0	9	0.0	271.04	0.0
WARMOUTH	1987	1	0.0	16.00	0.0	0	0.0	0.00	0.0	1	0.0	16.00	0.0
	1989	9	0.2	490.00	0.2	0	0.0	0.00	0.0	9	0.2	490.00	0.2
	TOTAL	10	0.2	506.00	0.1	0	0.0	0.00	0.0	10	0.1	506.00	0.1
ORANGESPOTTED SUNFISH	1977	15	0.6	93.12	0.0	77	0.6	20.85	0.3	92	0.8	113.77	0.0
	1978	64	2.7	709.88	0.5	2	0.1	11.00	0.6	66	1.8	720.88	0.5
	1979	36	2.4	414.56	0.2	6	0.2	58.06	1.7	40	0.9	472.62	0.3
	1981	87	4.2	642.83	0.2	60	4.9	183.16	5.0	147	4.5	825.99	0.2
	1982	8	1.1	81.00	0.0	11	3.0	33.12	4.5	19	1.8	114.12	0.1
	1983	11	1.1	172.41	0.1	0	0.0	0.00	0.0	11	0.5	172.41	0.1
	1984	29	2.0	255.91	0.1	1	0.1	1.20	0.1	30	1.0	257.11	0.1
	1985	71	2.7	821.33	0.4	28	0.4	138.25	2.2	99	1.0	959.68	0.4
	1986	170	6.5	2087.16	1.0	44	4.5	275.29	7.1	214	6.0	2362.47	1.1
	1987	39	1.6	430.13	0.3	11	0.5	31.18	1.2	50	1.1	461.31	0.3
	1988	63	1.1	4448.97	0.2	29	1.4	103.96	1.4	72	1.2	553.93	0.3
	1989	177	4.9	1751.87	0.7	8	0.5	106.66	2.8	185	3.6	1858.53	0.7
	TOTAL	746	2.8	7510.19	0.3	277	0.9	962.63	2.3	1023	1.7	8872.82	0.3
BLUEGILL	1977	4	0.2	135.96	0.0	49	0.5	13.23	0.2	53	0.5	149.19	0.1
	1978	51	2.2	511.13	0.4	5	0.4	22.28	1.3	56	1.5	533.41	0.4
	1979	5	0.4	99.00	0.1	0	0.0	0.00	0.0	5	0.1	99.00	0.1
	1981	30	1.5	984.46	0.3	2	0.2	5.36	0.1	32	1.0	989.82	0.3
	1982	10	1.4	199.00	0.1	0	0.0	0.00	0.0	10	0.9	199.00	0.1
	1983	32	3.1	963.67	0.5	1	0.1	21.48	2.5	33	1.5	1005.15	0.5
	1984	38	2.6	1010.96	0.5	0	0.0	0.00	0.0	38	1.3	1021.66	0.5
	1985	15	0.6	927.00	0.4	50	0.7	7.10	0.1	65	0.7	934.10	0.4
	1986	34	2.1	1172.45	0.6	60	3.1	163.59	4.2	94	2.4	1335.04	0.6
	1987	67	2.7	778.00	0.5	49	2.2	44.16	1.6	116	2.5	822.16	0.5
	1988	5	0.1	322.00	0.2	1	0.0	0.56	0.0	6	0.1	322.56	0.1
	1989	172	4.8	2161.37	0.9	29	1.9	95.74	2.5	201	3.9	2257.11	0.9
	TOTAL	483	1.8	9285.00	0.3	217	0.7	384.40	0.9	700	1.2	9669.40	0.4
CENTRAL LONGEAR SUNFISH	1977	8	0.3	149.52	0.1	1	0.0	10.68	0.2	9	0.1	160.20	0.1
	TOTAL	8	0.3	149.52	0.1	1	0.0	10.68	0.2	9	0.1	160.20	0.1
NORTHERN LONGEAR SUNFISH	1977	121	5.0	1853.88	0.6	12	0.1	129.73	1.9	133	1.1	1983.61	0.7
	TOTAL	121	5.0	1853.88	0.6	12	0.1	129.73	1.9	133	1.1	1983.61	0.7
LONGEAR SUNFISH	1977	42	1.7	950.11	0.2	62	0.7	59.89	0.9	104	0.9	610.00	0.2
	1978	347	14.9	5800.04	4.5	5	0.4	40.89	2.4	352	9.5	5840.93	4.4
	1979	172	12.3	3335.01	1.9	10	0.3	156.94	4.5	182	4.1	3491.95	2.0
	1981	131	6.4	3256.66	0.8	28	2.3	145.12	4.0	159	4.9	3401.78	0.9
	1982	48	6.8	1002.53	0.5	2	0.5	27.01	1.6	50	4.7	1029.54	0.5
	1983	42	4.1	775.37	0.4	1	0.1	76.18	9.3	43	2.0	851.55	0.4
	1984	200	13.6	2016.67	0.9	4	0.2	41.17	4.4	204	7.0	2057.84	1.0
	1985	263	10.0	3326.46	1.8	52	0.7	348.23	5.5	315	3.2	3674.69	1.7
	1986	396	15.2	6000.77	3.0	72	7.4	921.18	23.8	468	13.1	6921.95	3.4
	1987	410	16.5	3424.60	3.2	83	3.7	744.42	27.6	493	10.4	6169.02	3.6
	1988	279	7.0	4137.40	2.0	193	9.4	1557.80	21.3	472	7.8	5695.00	2.6
	1989	853	23.6	12223.98	4.9	138	9.3	823.57	21.7	991	19.4	13047.55	5.2
	TOTAL	3183	11.9	47849.60	1.8	650	2.0	4944.20	11.7	3833	6.5	52793.80	2.0
REDEAR SUNFISH	1989	2	0.1	63.79	0.0	1	0.1	17.00	0.4	3	0.1	80.79	0.0
	TOTAL	2	0.1	63.79	0.0	1	0.1	17.00	0.4	3	0.1	80.79	0.0
GREEN SUNFISH X BLUEGILL	1977	1	0.0	68.00	0.0	0	0.0	0.00	0.0	1	0.0	68.00	0.0
	1982	3	0.4	79.00	0.0	0	0.0	0.00	0.0	3	0.3	79.00	0.0
	1983	1	0.1	38.00	0.0	0	0.0	0.00	0.0	1	0.0	38.00	0.0
	1984	1	0.1	116.00	0.1	0	0.0	0.00	0.0	1	0.0	116.00	0.1
	1985	1	0.0	88.40	0.0	0	0.0	0.00	0.0	1	0.0	88.40	0.0
	1986	1	0.0	5.21	0.0	0	0.0	0.00					

APPENDIX D-10 (CONT.) TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS IN THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88, AND JULY/AUGUST 1989.

SPECIES	ELECTROFISHING			SEINING			TOTAL		
	NO.	NO.	WT (G)	NO.	NO.	WT (G)	NO.	NO.	WT (G)
ORANGESPOTTED KLONDEAR SUNFISH	1977	1	0.0	7.39	0.0	0.00	1	0.0	7.39
	1981	4	0.2	36.00	0.0	0.00	4	0.2	36.00
	TOTAL	5	0.2	43.39	0.0	0.00	5	0.2	43.39
GREEN KLONDEAR SUNFISH	1979	1	0.1	9.00	0.0	0.00	1	0.0	9.00
	1981	4	0.2	74.00	0.0	0.00	4	0.2	74.00
	1985	1	0.0	46.00	0.0	0.00	1	0.0	46.00
	1986	1	0.0	40.00	0.0	0.00	1	0.0	40.00
	TOTAL	7	0.3	233.00	0.0	0.00	7	0.3	233.00
GREEN SUNFISH HYBRID	1981	5	0.2	30.00	0.0	0.00	5	0.2	30.00
	TOTAL	5	0.2	30.00	0.0	0.00	5	0.2	30.00
UNIDENTIFIED HYBRID SUNFISH	1982	0	0.0	0.00	0.0	1.03	1	0.1	5.31
	TOTAL	0	0.0	0.00	0.0	1.03	1	0.1	5.31
UNIDENTIFIED SUNFISH	1977	0	0.0	0.00	0.0	1.39	0	0.0	1.39
	1979	0	0.0	0.00	0.0	0.44	0	0.0	0.44
	1981	1	0.0	0.91	0.0	1.69	1	0.0	2.60
	1982	0	0.0	0.00	0.0	13.35	0	0.0	13.35
	1983	2	0.2	20.70	0.0	54.46	2	0.2	75.16
	1984	0	0.0	0.00	0.0	0.74	0	0.0	0.74
	TOTAL	3	0.2	21.61	0.0	70.28	3	0.2	91.89
SMALLMOUTH BASS	1977	279	11.5	50361.99	17.5	147.30	293	2.5	50465.89
	1978	241	10.3	16781.63	12.9	1.59	254	8.9	16783.22
	1979	239	17.1	27021.01	15.6	11.04	254	1.8	27032.65
	1981	175	8.5	32789.00	8.5	15.12	190	5.8	32803.88
	1982	95	13.5	22215.30	10.1	5.14	105	9.3	22224.44
	1983	169	18.1	17718.55	8.6	0.00	177	8.4	17718.55
	1984	223	15.2	20664.47	9.7	2.01	232	7.7	20672.48
	1985	358	21.2	56493.11	26.4	100.14	384	8.6	56593.25
	1986	223	8.6	19045.39	9.4	2.02	232	6.3	19051.41
	1987	216	8.7	25616.72	15.3	5.02	231	4.1	25620.82
	1988	917	22.9	27336.69	13.0	38.16	930	21.4	27358.05
	1989	599	16.6	31641.83	12.9	26.17	611	12.2	31667.96
	TOTAL	3950	14.8	347887.13	131.1	561.18	4111	7.7	351229.92
LARGEMOUTH BASS	1977	43	1.8	1127.59	0.4	11.01	44	0.5	1138.60
	1978	60	2.4	746.54	0.8	17.17	61	2.6	763.71
	1979	12	0.9	166.96	0.1	6.02	13	0.4	172.98
	1981	51	2.5	6243.00	1.6	10.08	52	1.9	6253.08
	1982	9	1.3	249.83	0.1	17.48	10	4.2	267.31
	1983	27	2.6	1014.94	0.5	8.07	28	1.6	1023.01
	1984	16	1.1	987.27	3.5	5.03	20	2.5	992.30
	1985	45	1.7	3515.91	1.6	22.03	46	2.0	3537.94
	1986	25	1.0	3119.25	1.5	1.01	26	0.7	3120.26
	1987	46	1.9	1528.01	0.9	20.09	47	4.9	1548.10
	1988	13	0.3	1592.15	0.8	9.04	14	1.8	1601.19
	1989	88	2.4	4237.94	1.7	31.81	90	2.3	4269.75
	TOTAL	455	1.7	24529.67	0.9	157.05	464	1.0	24686.72
UNIDENTIFIED BLACK BASS	1983	0	0.0	0.00	0.0	3.03	3	0.1	0.16
	TOTAL	0	0.0	0.00	0.0	3.03	3	0.1	0.16
WHITE CRAPPIE	1977	6	0.2	477.06	0.2	46.03	12	0.3	499.26
	1978	3	0.1	52.00	0.0	8.06	3	0.1	57.25
	1979	23	1.6	1422.55	0.8	44.14	24	1.5	1424.05
	1981	74	3.6	5708.00	1.5	28.23	75	3.1	5736.23
	1982	6	0.9	952.00	0.4	5.14	7	1.0	957.14
	1983	7	0.7	798.00	0.4	2.02	8	0.4	800.02
	1984	12	0.6	716.00	0.3	0.00	12	0.6	716.00
	1985	1	0.0	121.00	0.1	0.00	1	0.0	121.00
	1986	2	0.1	165.00	0.1	2.02	3	0.1	167.02
	1987	1	0.0	139.00	0.1	0.00	1	0.0	139.00
	1989	1	0.0	16.00	0.0	0.00	1	0.0	16.00
	TOTAL	133	0.6	10608.61	0.4	115.04	137	0.5	10723.65
BLACK CRAPPIE	1977	24	1.0	1206.87	0.4	130.14	24	1.3	1206.87
	1978	3	0.1	125.00	0.1	11.06	4	0.4	136.06
	1979	8	0.6	700.00	0.4	82.07	12	0.5	782.07
	1981	15	0.7	1655.00	0.4	36.29	16	1.6	1691.29
	1982	1	0.1	16.00	0.0	9.24	1	0.9	16.96
	1986	2	0.1	442.00	0.3	2.02	3	0.1	444.02
	1987	4	0.2	227.00	0.1	1.00	5	0.1	228.00
	1988	0	0.0	0.00	0.0	2.01	0	0.0	2.01
	TOTAL	62	0.3	4806.87	0.2	219.10	64	0.6	4826.97
RAINBOW DARTER	1977	1	0.0	0.58	0.0	1.00	2	0.0	1.01
	TOTAL	1	0.0	0.58	0.0	1.00	2	0.0	1.01
JOHNNY DARTER	1977	2	0.1	2.09	0.0	36.04	2	0.3	22.35
	1978	3	0.1	1.39	0.0	62.45	3	1.7	25.81
	1979	0	0.0	0.00	0.0	53.17	0	0.0	53.17
	1982	0	0.0	0.00	0.0	20.54	0	0.0	20.54
	1983	0	0.0	0.00	0.0	34.29	0	0.0	34.29
	1984	0	0.0	0.00	0.0	29.20	0	0.0	29.20
	1985	2	0.1	1.28	0.0	214.29	2	0.2	115.57
	1986	1	0.0	0.23	0.0	25.27	1	0.8	10.05
	1987	2	0.1	1.15	0.0	66.38	2	1.9	35.71
	1988	11	0.3	3.95	0.0	46.22	12	0.9	24.10
	1989	4	0.1	4.83	0.0	8.75	4	0.2	8.09
	TOTAL	25	0.1	16.92	0.0	614.20	26	1.2	283.70
BANDIED DARTER	1977	0	0.0	0.00	0.0	11.01	11	0.1	3.05
	1988	6	0.1	4.29	0.0	2.01	6	0.1	5.12
	TOTAL	6	0.1	4.29	0.0	2.01	6	0.1	5.12
YELLOW PERCH	1977	2	0.1	11.46	0.0	1.00	2	0.0	18.99
	1978	5	0.2	132.00	0.1	0.00	5	0.1	132.00
	1979	2	0.1	22.94	0.0	0.00	2	0.0	22.94
	1981	1	0.0	16.00	0.0	0.00	1	0.0	16.00
	1983	2	0.2	86.00	0.0	0.00	2	0.1	86.00
	1985	0	0.0	0.00	0.0	1.84	0	0.0	1.84
	1988	3	0.1	19.52	0.0	0.00	3	0.0	19.52
	TOTAL	15	0.1	287.92	0.0	2.00	17	0.0	297.29
LOG PERCH	1987	4	0.2	11.02	0.0	2.01	4	0.1	14.04
	1988	149	3.7	444.26	0.2	6.03	153	2.6	450.29
	TOTAL	209	2.1	455.28	0.2	8.04	217	2.7	464.33

APPENDIX P-12 (CONT.) TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE
BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AUGUST 1986-88,
AND JULY/AUGUST 1989.

SPECIES		---ELECTROFISHING---				---SEINING---				---TOTAL---			
		NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT	NO.	\$NO.	WT(G)	\$WT
BLACKSIDE DARTER	1977	0	0.0	0.00	0.0	1	0.0	2.14	0.0	1	0.0	2.14	0.0
	1978	1	0.0	2.08	0.0	3	0.2	2.82	0.2	4	0.1	4.90	0.0
	1979	0	0.0	0.00	0.0	10	0.3	6.08	0.2	10	0.2	6.08	0.0
	1981	0	0.0	0.00	0.0	1	0.1	0.39	0.0	1	0.0	0.39	0.0
	1982	0	0.0	0.00	0.0	5	1.4	3.83	0.5	5	0.5	3.83	0.0
	1983	3	0.3	1.83	0.0	5	0.4	4.02	0.5	8	0.4	5.85	0.0
	1984	1	0.1	0.64	0.0	0	0.0	0.00	0.0	1	0.0	0.64	0.0
	1985	3	0.1	3.63	0.0	25	0.5	44.08	0.7	28	0.4	47.71	0.0
	1986	0	0.0	0.00	0.0	1	0.1	3.89	0.1	1	0.0	3.89	0.0
	1987	3	0.1	3.48	0.0	9	0.4	9.30	0.3	12	0.3	12.78	0.0
	1988	15	0.4	24.12	0.0	9	0.4	18.98	0.3	24	0.4	43.11	0.0
	1989	9	0.2	26.55	0.0	3	0.2	5.03	0.1	12	0.2	31.58	0.0
	TOTAL	35	0.1	62.74	0.0	62	0.3	100.16	0.2	117	0.2	162.90	0.0
SLENDERHEAD DARTER	1977	0	0.0	0.00	0.0	4	0.0	3.07	0.0	4	0.0	3.07	0.0
	1979	0	0.0	0.00	0.0	1	0.0	0.19	0.0	1	0.0	0.19	0.0
	1985	1	0.0	0.98	0.0	24	0.3	22.71	0.4	25	0.3	23.69	0.0
	1986	1	0.0	2.01	0.0	5	0.5	7.02	0.2	6	0.2	9.03	0.0
	1987	0	0.0	0.00	0.0	1	0.0	0.92	0.0	1	0.0	0.92	0.0
	1988	22	0.5	53.64	0.0	1	0.0	0.41	0.0	23	0.5	54.05	0.0
	1989	31	0.9	78.29	0.0	1	0.1	2.19	0.1	32	0.6	80.48	0.0
	TOTAL	55	0.3	134.92	0.0	37	0.1	36.71	0.1	92	0.2	171.63	0.0
WALLEYE	1977	27	1.1	1297.00	0.5	0	0.0	0.00	0.0	27	0.2	1297.00	0.4
	1979	5	0.4	1218.00	0.7	0	0.0	0.00	0.0	5	0.1	1218.00	0.7
	1981	7	0.3	3239.00	0.8	0	0.0	0.00	0.0	7	0.2	3239.00	0.8
	1982	1	0.1	5.47	0.0	0	0.0	0.00	0.0	1	0.1	5.47	0.0
	1983	2	0.2	305.00	0.1	0	0.0	0.00	0.0	2	0.1	305.00	0.1
	1984	1	0.1	590.00	0.3	0	0.0	0.00	0.0	1	0.0	590.00	0.3
	1985	4	0.2	905.00	0.4	0	0.0	0.00	0.0	4	0.0	905.00	0.4
	1987	3	0.1	117.61	0.1	0	0.0	0.00	0.0	3	0.1	117.61	0.1
	1988	1	0.0	45.00	0.0	0	0.0	0.00	0.0	1	0.0	45.00	0.0
	TOTAL	51	0.3	7722.08	0.4	0	0.0	0.00	0.0	51	0.1	7722.08	0.4
FRESHWATER DRUM	1985	1	0.1	425.00	0.2	0	0.0	0.00	0.0	1	0.0	425.00	0.2
	1986	1	0.0	325.00	0.2	0	0.0	0.00	0.0	1	0.0	325.00	0.2
	1987	1	0.0	640.00	0.4	0	0.0	0.00	0.0	1	0.0	640.00	0.4
	1989	1	0.0	340.00	0.7	0	0.0	0.00	0.0	1	0.0	340.00	0.7
	TOTAL	4	0.0	1730.00	0.2	0	0.0	0.00	0.0	4	0.0	1730.00	0.2